811 Consolidated Service Invoice/Statement

Functional Group ID=CI

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Consolidated Services Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing of complex and structured service invoice detail.This standard can be used by organizations who are interested in sending or receiving either consolidated or standalone invoices for service arrangements which require processing other than that done for the typical product invoice.The Consolidated Services Invoice/Statement can be used as a credit/debit memo to differentiate between payable invoice items and information-only memo items. This transaction set should not be used as a standalone notification of a credit/debit adjustment.

Notes:

1. Use this transaction set to transmit telecommunication consolidated service invoices to a Federal Government activity responsible for initiating the payment. This implementation convention may also be used within the federal government to transmit all or portions of the invoice to other subordinate activities for repayment to the activity or for information.

2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.

3. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.

4. The appendix to this implementation convention contains the hierarchical structure for telecommunication invoices to the federal government.

5. The procedures and models for this implementation convention are contained in the Telecommunication Industry Forum (TCIF) EDI Guidelines Customer Services Issue 7 (3050).

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	070	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	080	DTM	Date/Time Reference	O	10		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	090	TXI	Tax Information	O	>1		
			LOOP ID - N1			>1	
	100	N1	Name	O	1		
	110	N2	Additional Name Information	O	2		
	120	N3	Address Information	O	2		
	130	N4	Geographic Location	O	1		
	140	REF	Reference Numbers	O	12		
	150	PER	Administrative Communications Contact	O	3		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			>1	
Must Use	010	HL	Hierarchical Level	M	1		n1
			LOOP ID - LX			>1	
	020	LX	Assigned Number	O	1		
Not Used	025	VEH	Vehicle Information	O	1		
	030	SI	Service Characteristic Identification	O	8		
	040	PID	Product/Item Description	O	200		
Not Used	045	MEA	Measurements	O	20		
	050	REF	Reference Numbers	O	>1		
	060	AMT	Monetary Amount	O	5		
	070	DTM	Date/Time Reference	O	4		
	080	TXI	Tax Information	O	>1		
			LOOP ID - QTY			10	
	090	QTY	Quantity	O	1		
	100	SI	Service Characteristic Identification	O	1		
			LOOP ID - NM1			1	
	110	NM1	Individual or Organizational Name	O	1		n2
	120	N2	Additional Name Information	O	2		
	130	N3	Address Information	O	2		
	140	N4	Geographic Location	O	1		
	150	REF	Reference Numbers	O	2		
	160	PER	Administrative Communications Contact	O	>1		
	170	TXI	Tax Information	O	>1		
			LOOP ID - ITA			>1	
	180	ITA	Allowance, Charge or Service	O	1		
	190	DTM	Date/Time Reference	O	1		
	200	TXI	Tax Information	O	>1		
			LOOP ID - IT1			999999	
	210	IT1	Baseline Item Data (Invoice)	O	1		n3
	220	SI	Service Characteristic Identification	O	2		
	230	PID	Product/Item Description	O	200		
Not Used	235	MEA	Measurements	O	20		
	240	INC	Installment Information	O	1		
	250	TXI	Tax Information	O	>1		

	260	REF	Reference Numbers	O	8		
	270	DTM	Date/Time Reference	O	10		
	280	MSG	Message Text	O	>1		
Not Used	285	AMT	Monetary Amount	O	1		
			LOOP ID - QTY			>1	
	290	QTY	Quantity	O	1		
	300	SI	Service Characteristic Identification	O	1		
			LOOP ID - ITA			10	
	310	ITA	Allowance, Charge or Service	O	1		
	320	DTM	Date/Time Reference	O	1		
	330	TXI	Tax Information	O	>1		
			LOOP ID - NM1			>1	
	340	NM1	Individual or Organizational Name	O	1		
	350	N2	Additional Name Information	O	2		
	360	N3	Address Information	O	2		
	370	N4	Geographic Location	O	1		
	380	PER	Administrative Communications Contact	O	3		
			LOOP ID - SLN			>1	
	390	SLN	Subline Item Detail	O	1		n4
	400	SI	Service Characteristic Identification	O	2		
	410	PID	Product/Item Description	O	200		
Not Used	415	MEA	Measurements	O	20		
	420	CUR	Currency	O	1		
	430	INC	Installment Information	O	1		
	440	ITA	Allowance, Charge or Service	O	10		
	450	TXI	Tax Information	O	>1		
	460	REF	Reference Numbers	O	>1		
	470	PER	Administrative Communications Contact	O	3		
	480	DTM	Date/Time Reference	O	10		
	490	AMT	Monetary Amount	O	10		
	500	MSG	Message Text	O	>1		
			LOOP ID - QTY			>1	
	510	QTY	Quantity	O	1		
	520	SI	Service Characteristic Identification	O	1		
			LOOP ID - NM1			>1	
	530	NM1	Individual or Organizational Name	O	1		
	540	N2	Additional Name Information	O	2		
	550	N3	Address Information	O	2		
	560	N4	Geographic Location	O	1		
	570	REF	Reference Numbers	O	8		
	580	PER	Administrative Communications Contact	O	3		
			LOOP ID - TCD			>1	
	590	TCD	Itemized Call Detail	O	1		n5
	600	SI	Service Characteristic Identification	O	2		
	610	TXI	Tax Information	O	>1		
	615	ITA	Allowance, Charge or Service	O	>1		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - QTY			>1	
	617	QTY	Quantity	O	1		
	618	SI	Service Characteristic Identification	O	1		
			LOOP ID - USD			>1	
	620	USD	Usage-Sensitive Detail	O	1		n6
	625	SI	Service Characteristic Identification	O	2		
	630	ITA	Allowance, Charge or Service	O	2		
	640	TRF	Rating Factors	O	18		
			LOOP ID - QTY			>1	
	650	QTY	Quantity	O	1		
	660	SI	Service Characteristic Identification	O	1		
			LOOP ID - III			>1	
Not Used	670	III	Information	O	1		
Not Used	680	DTP	Date or Time or Period	O	5		
Not Used	690	AMT	Monetary Amount	O	5		
Not Used	700	PCT	Percent Amounts	O	5		
			LOOP ID - LQ			>1	
Not Used	710	LQ	Industry Code	O	1		
Not Used	720	AMT	Monetary Amount	O	5		
Not Used	730	PCT	Percent Amounts	O	5		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	TDS	Total Monetary Value Summary	M	1		
			LOOP ID - ITA			>1	
	020	ITA	Allowance, Charge or Service	O	1		
	030	DTM	Date/Time Reference	O	1		
Not Used	035	REF	Reference Numbers	O	5		
			LOOP ID - BAL			>1	
	040	BAL	Balance Detail	O	1		
	050	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
	060	N1	Name	O	1		
			LOOP ID - BAL			>1	
	070	BAL	Balance Detail	O	1		
	080	DTM	Date/Time Reference	O	1		
			LOOP ID - ITA			>1	
	090	ITA	Allowance, Charge or Service	O	1		
	100	DTM	Date/Time Reference	O	2		
Not Used	105	REF	Reference Numbers	O	5		
Not Used	106	CUR	Currency	O	1		
	110	CTT	Transaction Totals	O	1		n7
Must Use	120	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Valid codes for HL03 to define levels for this transaction set are given below: 1 - Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 - Billing Arrangement (Identifies a Specific Billing Arrangement) 3 - Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 - Group (Identifies a Group of Charges on the Bill) 5 - Category (Identifies the Subdivision of the Group) 6 - Subcategory (Identifies a Further Breakdown of the Category) 7 - Type (Identifies a Further Breakdown of the Subcategory) 8 - Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 - Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the service/billing provider level and group level is required.
2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
3. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
4. The SLN loop may only appear at the charge detail level.
5. The TCD loop may only appear at the line detail level.
6. The USD loop may only appear at the line detail level.
7. The number of line items (CTT01) is the accumulation of the number of IT1 segments.

Segment:	## ST Transaction Set Header	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID	3/3
			Code uniquely identifying a Transaction Set			
			811 X12.39 Consolidated Service Invoice/Statement			
Must Use	ST02	329	**Transaction Set Control Number**	M	AN	4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment:	**BIG** Beginning Segment for Invoice	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates	
Syntax Notes:		
Semantic Notes:	**1**	BIG01 is the invoice issue date.
	2	BIG03 is the date assigned by the purchaser to purchase order.
	3	BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments:	**1**	BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BIG01	373	**Date**	**M**	**DT**	**6/6**	
			Date (YYMMDD)				
Must Use	BIG02	76	**Invoice Number**	**M**	**AN**	**1/22**	
			Identifying number assigned by issuer				
			TCIF recommends that this number be unique. One method that may be used to make this number unique is to join the account number and the invoice date.				
Not Used	BIG03	373	**Date**	**O**	**DT**	**6/6**	
			Date (YYMMDD)				
Not Used	BIG04	324	**Purchase Order Number**	**O**	**AN**	**1/22**	
			Identifying number for Purchase Order assigned by the orderer/purchaser				
Not Used	BIG05	328	**Release Number**	**O**	**AN**	**1/30**	
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction				
Not Used	BIG06	327	**Change Order Sequence Number**	**O**	**AN**	**1/8**	
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set				
	BIG07	640	**Transaction Type Code**	**O**	**ID**	**2/2**	
			Code specifying the type of transaction				
			AI Adjusted Invoice				

1. This code is to be used only within the federal government.

2. This code is slated for deletion unless a requirement is identified for its use.

	CD	Consolidated Debit Invoice				
	CE	Consolidated Credit Invoice				

        Indicates that the invoice is a consolidation of several detailed credit invoices; the detail, if provided, will be contained in debit memos

        CF   Consolidated Debit Memo

        Indicates that the invoice is a consolidated memo; all actual billing invoices are summarized by this consolidated memo

        CG   Consolidated Credit Memo

        Indicates that the invoice is a consolidated memo; all actual billing invoices are summarized by this consolidated memo

        CI   Consolidated Invoice

        CM   Call Detail Memo

        Indicates that the invoice contains details of telecommunications usage that is for information and not payable

        CN   Credit Invoice

        CR   Credit Memo

        DI   Debit Invoice

        DR   Debit Memo

        FB   Final Bill

        FD   Consolidated Invoice, Final Bill

        The final (last) bill for a consolidated account

        FE   Memorandum, Final Bill

        The final (last) bill for a non-payable invoice (memo)

        ME   Memorandum

        RG   Revised Final Bill

        Code to indicate that the last bill has been recalculated due to the receipt of delayed usage, or credits; to identify unpaid overdue final accounts, which are reissued each month

Not Used	**BIG08**	353	**Transaction Set Purpose Code**	O	ID	2/2

Code identifying purpose of transaction set

Refer to 003050 Data Element Dictionary for acceptable code values.

Not Used	**BIG09**	306	**Action Code**	O	ID	1/2

Code indicating type of action

Not Used	**BIG10**	76	**Invoice Number**	O	AN	1/22

Identifying number assigned by issuer

Segment:	**NTE** Note/Special Instruction
Position:	030
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:	
Semantic Notes:	
Comments:	1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
NTE01	**363**	**Note Reference Code**	O	ID	3/3

Code identifying the functional area or purpose for which the note applies

GEN	Entire Transaction Set
INV	Invoice Instruction
OTH	Other Instructions
PRI	Priority
TIL	Tariff Index
TLF	Tariff Rule
TRF	Tariff Rate Footnotes
TSF	Tariff Section Footnotes

Must Use NTE02	**352**	**Description**	M	AN	1/80

A free-form description to clarify the related data elements and their content

Segment:	# CUR Currency
Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4 If CUR11 is present, then CUR10 is required.
	5 If CUR12 is present, then CUR10 is required.
	6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7 If CUR14 is present, then CUR13 is required.
	8 If CUR15 is present, then CUR13 is required.
	9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10 If CUR17 is present, then CUR16 is required.
	11 If CUR18 is present, then CUR16 is required.
	12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13 If CUR20 is present, then CUR19 is required.
	14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.
Notes:	*Use this 1/CUR/040 segment to identify the currency in which payment is requested if in other than US dollars.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	CUR01	98	**Entity Identifier Code**	M	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual			
			PR Payer			
Must Use	CUR02	100	**Currency Code**	M	ID	3/3
			Code (Standard ISO) for country in whose currency the charges are specified			
			CAD - Canadian Dollars *USD - USA Dollars* *For additional values, request ISO document 4217.*			
	CUR03	280	**Exchange Rate**	O	R	4/6
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another			
	CUR04	98	**Entity Identifier Code**	O	ID	2/2
			Code identifying an organizational entity, a physical location, or an			

individual

PE	Payee
PM	Party to receive paper Memo of Invoice
RI	Remit To
SE	Selling Party
SJ	Service Provider

        Identifies name and address information as pertaining to a service provider for which billing is being rendered

CUR05	**100**	**Currency Code**	**O**	**ID**	**3/3**

Code (Standard ISO) for country in whose currency the charges are specified

CAD - Canadian Dollars
USD - USA Dollars

CUR06	**669**	**Currency Market/Exchange Code**	**O**	**ID**	**3/3**

Code identifying the market upon which the currency exchange rate is based

IMF	International Monetary Fund
LNF	London (England) Exchange - First Closing
LNS	London (England) Exchange - Second Closing
NYC	New York Foreign Exchange
PHI	Philadelphia Foreign Exchange
ZUR	Zurich (Switzerland) Exchange

CUR07	**374**	**Date/Time Qualifier**	**X**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective

        Effective date of exchange

009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change

        Date on which the change went into effect

153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End

	CUR08	373	**Date**	O	DT	6/6
			Date (YYMMDD)			
	CUR09	337	**Time**	O	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	**CUR10**	374	**Date/Time Qualifier**	X	ID	3/3
			Code specifying type of date or time, or both date and time			
Not Used	**CUR11**	373	**Date**	X	DT	6/6
			Date (YYMMDD)			
Not Used	**CUR12**	337	**Time**	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	**CUR13**	374	**Date/Time Qualifier**	X	ID	3/3
			Code specifying type of date or time, or both date and time			
Not Used	**CUR14**	373	**Date**	X	DT	6/6
			Date (YYMMDD)			
Not Used	**CUR15**	337	**Time**	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	**CUR16**	374	**Date/Time Qualifier**	X	ID	3/3
			Code specifying type of date or time, or both date and time			
Not Used	**CUR17**	373	**Date**	X	DT	6/6
			Date (YYMMDD)			
Not Used	**CUR18**	337	**Time**	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
Not Used	**CUR19**	374	**Date/Time Qualifier**	X	ID	3/3
			Code specifying type of date or time, or both date and time			
Not Used	**CUR20**	373	**Date**	X	DT	6/6
			Date (YYMMDD)			
Not Used	**CUR21**	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment:	**REF** Reference Numbers
Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M	ID 2/2

Code qualifying the Reference Number.

11	Account Number	

Number identifies a telecommunications industry account

12	Billing Account

Account number under which billing is rendered

14	Master Account Number

Account number used to represent individual billing accounts which have been consolidated and/or summarized

AP	Accounts Receivable Number
BB	Authorization Number

Proves that permission was obtained to provide a service

CT	Contract Number
DO	Delivery Order Number
EH	Financial Classification Code
HB	Bill & Hold Invoice No.

REF02	127	**Reference Number**	X	AN	1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03	352	**Description**	X	AN	1/80

A free-form description to clarify the related data elements and their content

Segment:	**PER** Administrative Communications Contact
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	PER01	366	**Contact Function Code**	M	ID	2/2
			Code identifying the major duty or responsibility of the person or group named			
			CC Computer Systems Contact			
	PER02	93	**Name**	O	AN	1/35
			Free-form name			
	PER03	365	**Communication Number Qualifier**	X	ID	2/2
			Code identifying the type of communication number			
			AU Defense Switched Network			
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			
			This code is to be used only within the federal government.			
			EM Electronic Mail			
			FX Facsimile			
			TE Telephone			
	PER04	364	**Communication Number**	X	AN	1/80
			Complete communications number including country or area code when applicable			
	PER05	365	**Communication Number Qualifier**	X	ID	2/2
			Code identifying the type of communication number			
			AU Defense Switched Network			
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			

			This code is to be used only within the federal government.			
		EM	Electronic Mail			
		FX	Facsimile			
		TE	Telephone			
PER06	**364**		**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

PER07	**365**	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

See codes in PER05.

PER08	**364**	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

Not Used	**PER09**	**443**	**Contact Inquiry Reference**	O	AN	1/20

Additional reference number or description to clarify a contact number

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale
Position:	070
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	5
Purpose:	To specify terms of sale
Syntax Notes:	**1** If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	**1** ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	**1** If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	*To specify due data and late payment terms.*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
ITD01	**336**	**Terms Type Code**	**O**	**ID**	**2/2**

Code identifying type of payment terms

03	Fixed Date
10	Instant
18	Fixed Date, Late Payment Penalty Applies
	Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date

Ref. Des.	Data Element	Name		Attributes	
ITD02	**333**	**Terms Basis Date Code**	**O**	**ID**	**1/2**

Code identifying the beginning of the terms period

3	Invoice Date
5	Invoice Receipt Date

Ref. Des.	Data Element	Name		Attributes	
ITD03	**338**	**Terms Discount Percent**	**O**	**R**	**1/6**

Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

Ref. Des.	Data Element	Name		Attributes	
Not Used **ITD04**	**370**	**Terms Discount Due Date**	**X**	**DT**	**6/6**

Date payment is due if discount is to be earned

Ref. Des.	Data Element	Name		Attributes	
Not Used **ITD05**	**351**	**Terms Discount Days Due**	**X**	**N0**	**1/3**

Number of days in the terms discount period by which payment is due if terms discount is earned

Ref. Des.	Data Element	Name		Attributes	
ITD06	**446**	**Terms Net Due Date**	**O**	**DT**	**6/6**

Date when total invoice amount becomes due

Date after which Late Payment Charge applies.

Not Used	**ITD07**	**386**	**Terms Net Days**	**O**	**N0**	**1/3**

Number of days until total invoice amount is due (discount not applicable)

Not Used	**ITD08**	**362**	**Terms Discount Amount**	**O**	**N2**	**1/10**

Total amount of terms discount

	ITD09	**388**	**Terms Deferred Due Date**	**O**	**DT**	**6/6**

Date deferred payment or percent of invoice payable is due

	ITD10	**389**	**Deferred Amount Due**	**X**	**N2**	**1/10**

Deferred amount due for payment

Put Late Payment Charge here until X12 approves addition of ITD16.

	ITD11	**342**	**Percent of Invoice Payable**	**X**	**R**	**1/5**

Amount of invoice payable expressed in percent

Not Used	**ITD12**	**352**	**Description**	**O**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

	ITD13	**765**	**Day of Month**	**X**	**N0**	**1/2**

The numeric value of the day of the month between 1 and the maximum day of the month being referenced

	ITD14	**107**	**Payment Method Code**	**O**	**ID**	**1/1**

Code identifying type of payment procedures

C	Pay By Check
E	Electronic Payment System

	ITD15	**954**	**Percent**	**O**	**R**	**1/10**

Percentage expressed as a decimal

Late payment percentage.

Segment:	**DTM** Date/Time Reference	
Position:	080	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	*To specify billing period.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**DTM01**	**374**	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

186	Invoice Period Start	
	When the billing period covered by an invoice begins	
187	Invoice Period End	
	When the billing period covered by an invoice ends	

	Ref. Des.	Data Element	Name	Attr.		
	DTM02	**373**	**Date**	X	DT	6/6

Date (YYMMDD)

Not Used	**DTM03**	**337**	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	**DTM04**	**623**	**Time Code**	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	**624**	**Century**	O	N0	2/2

The first two characters in the designation of the year (CCYY)

Not Used	**DTM06**	**1250**	**Date Time Period Format Qualifier**	X	ID	2/3

Code indicating the date format, time format, or date and time format

Not Used	**DTM07**	**1251**	**Date Time Period**	X	AN	1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**TXI** Tax Information	
Position:	090	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	TXI01	963	**Tax Type Code**	M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes		
Not Used	TXI02	782	**Monetary Amount**	X	R	1/15

Monetary amount

	Ref. Des.	Data Element	Name	Attributes		
	TXI03	954	**Percent**	X	R	1/10

Percentage expressed as a decimal

		Tax rate for this tax jurisdiction.			

TXI04 955 **Tax Jurisdiction Code Qualifier** X ID 2/2

Code identifying the source of the data used in tax jurisdiction code

Refer to 003050 Data Element Dictionary for acceptable code values.

TXI05 956 **Tax Jurisdiction Code** X AN 1/10

Code identifying the taxing jurisdiction

TXI06 441 **Tax Exempt Code** X ID 1/1

Code identifying exemption status from sales and use tax

    1   Yes (Tax Exempt)

    2   No (Not Tax Exempt)

TXI07 662 **Relationship Code** O ID 1/1

Code indicating the relationship between entities

    A   Add

    D   Delete

    O   Information Only

            Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

TXI08 828 **Dollar Basis For Percent** O R 1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

TXI09 325 **Tax Identification Number** O AN 1/20

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Not Used **TXI10** 350 **Assigned Identification** O AN 1/11

Alphanumeric characters assigned for differentiation within a transaction set

Segment:	# N1 Name
Position:	100
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**N101**	**98**	**Entity Identifier Code**	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

PE	Payee
PR	Payer
RL	Reporting Location

	N102	**93**	**Name**	X	AN	1/35

Free-form name

	N103	**66**	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)

  This code is to be used only within the federal government.

33	Commercial and Government Entity (CAGE)

  This code is to be used only within the federal government.

40	Electronic Mail User Code

  Identifies the Electronic Mail User locally defined and maintained between trading partners

41	Telecommunications Carrier Identification Code

			Identifies the Interexchange carrier for the charges being billed			
		42	Telecommunications Pseudo Carrier Identification Code			
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers			
		91	Assigned by Seller or Seller's Agent			
		92	Assigned by Buyer or Buyer's Agent			
	N104	**67**	**Identification Code**	X	AN	2/20
			Code identifying a party or other code			
Not Used	**N105**	**706**	**Entity Relationship Code**	O	ID	2/2
			Code describing entity relationship			
Not Used	**N106**	**98**	**Entity Identifier Code**	O	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual			

Segment:	**N2** Additional Name Information	
Position:	110	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N201	93	Name	M	AN	1/35
			Free-form name			
	N202	93	Name	O	AN	1/35
			Free-form name			

Segment: **N3** Address Information
Position: 120
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N301	166	**Address Information**	M	AN	1/35
			Address information			
	N302	166	**Address Information**	O	AN	1/35
			Address information			

Segment:	**N4** Geographic Location	
Position:	130	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1	If N406 is present, then N405 is required.
Semantic Notes:		
Comments:	1	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2	N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
N401	**19**	**City Name**	O	AN	2/30
		Free-form text for city name			
N402	**156**	**State or Province Code**	O	ID	2/2
		Code (Standard State/Province) as defined by appropriate government agency			
N403	**116**	**Postal Code**	O	ID	3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	**26**	**Country Code**	O	ID	2/3
		Code identifying the country			
N405	**309**	**Location Qualifier**	X	ID	1/2
		Code identifying type of location			

         AC   City and State
         CC   Country
         CI   City
         SP   State/Province

Ref. Des.	Data Element	Name	Attributes		
N406	**310**	**Location Identifier**	O	AN	1/30
		Code which identifies a specific location			

Segment:	**REF** Reference Numbers
Position:	140
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
10	Account Managers Code
	Identifies the telecommunications manager assigned to this account
13	Horizontal Coordinate
	Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
15	Vertical Coordinate
	Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme
BC	Buyer's Contract Number
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DP	Department Number
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
GC	Government Contract Number

GT	Goods and Service Tax Registration Number		
IS	Invoice Number Suffix		
IT	Internal Customer Number		
IV	Seller's Invoice Number		
LB	Lockbox		
NP	Partial Payment Number		
OI	Original Invoice Number		
OP	Original Purchase Order		
OR	Order/Paragraph Number		
PO	Purchase Order Number		
PX	Previous Invoice Number		
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers		
SE	Serial Number		
SX	Service Interrupt Tracking Number		
TF	Transfer Number		
TJ	Federal Taxpayer's Identification Number		
VC	Vendor Contract Number		
VN	Vendor Order Number		
VR	Vendor ID Number		

REF02   127   **Reference Number**   **X   AN   1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03   352   **Description**   **X   AN   1/80**

A free-form description to clarify the related data elements and their content

Segment: **PER** Administrative Communications Contact

Position:	150
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER01	366	**Contact Function Code**	M	ID	2/2

Code identifying the major duty or responsibility of the person or group named

TR   Technical Marketing Representative

	Ref. Des.	Data Element	Name		Attributes	
	PER02	93	**Name**	O	AN	1/35

Free-form name

	Ref. Des.	Data Element	Name		Attributes	
	PER03	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

AU   Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

EM   Electronic Mail

FX   Facsimile

TE   Telephone

	Ref. Des.	Data Element	Name		Attributes	
	PER04	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

	Ref. Des.	Data Element	Name		Attributes	
	PER05	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

AU   Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

			This code is to be used only within the federal government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		

PER06	**364**	**Communication Number**	X	AN	1/80
		Complete communications number including country or area code when applicable			
PER07	**365**	**Communication Number Qualifier**	X	ID	2/2
		Code identifying the type of communication number			
		See codes in PER05.			
PER08	**364**	**Communication Number**	X	AN	1/80
		Complete communications number including country or area code when applicable			
Not Used **PER09**	**443**	**Contact Inquiry Reference**	O	AN	1/20
		Additional reference number or description to clarify a contact number			

Segment:	**HL** **Hierarchical Level**
Position:	010
Loop:	HL
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:	
Semantic Notes:	

Comments:

1 The HL segment defines a top-down/left-right ordered structure.

2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes: *When submitting the 811 to any federal agency, use of the HL loop at levels HL03 code "1" and code "4", is required.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**HL01**	**628**	**Hierarchical ID Number**	**M**	**AN**	**1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
			Sequential number assigned to this HL segment.			
	HL02	**734**	**Hierarchical Parent ID Number**	**O**	**AN**	**1/12**
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to			
			Not used at HL1 (Service Provider).			
Must Use	**HL03**	**735**	**Hierarchical Level Code**	**M**	**ID**	**1/2**
			Code defining the characteristic of a level in a hierarchical structure			

    1   Service/Billing Provider

           Code identifying the telecommunications company providing service/billing

    2   Billing Arrangement

		Code identifying a specified billing arrangement
		This level can only be used as a subordinate to level 1.
3	Sub-Billing Arrangement	
		Code identifying a more detailed billing arrangement
		This level can only be used as a subordinate to level 2.
4	Group	
		Code identifying a group of charges on the bill
		This level can only be used as a subordinate to level 1, 2 or 3.
5	Category	
		Code identifying the sub-division of the group
		This level can only be used as a subordinate to level 4.
6	Sub-Category	
		Code identifying a further breakdown of the category
		This level can only be used as a subordinate to level 5.
7	Type	
		Code identifying a further breakdown of the sub-category
		This level can only be used as a subordinate to level 6.
8	Charge Detail	
		Code identifying the lowest level of charges within a billing arrangement
		This level can only be used as a subordinate to level 4, 5, 6, or 7.
9	Line Detail	
		Code identifying the supporting detail associated with the charge or group

Must Use HL04   **736**   **Hierarchical Child Code**   **O**   **ID** **1/1**

Code indicating whether if there are hierarchical child data segments subordinate to the level being described.

0	No Subordinate HL Segment in This Hierarchical Structure.
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment:	**LX** Assigned Number
Position:	020
Loop:	LX
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To reference a line number in a transaction set
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the LX loop is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9". This loop is not used in levels "4" and "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	LX01	554	Assigned Number	M	N0	1/6
			Number assigned for differentiation within a transaction set			

Segment:	**SI** Service Characteristic Identification	
Position:	030	
Loop:	LX	
Level:	Detail	
Usage:	Optional	
Max Use:	8	
Purpose:	To specify service characteristic data	
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7", or "9".*	
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

		Identifying number for a product or service			
SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			

Segment:	**PID** Product/Item Description
Position:	040
Loop:	LX
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format

Syntax Notes:	**1**	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID03 is required.
Semantic Notes:	**1**	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A ``Y'' indicates that the specified attribute applies to this item. A ``N'' indicates it does not apply. Any other value is indeterminate.
Comments:	**1**	If PID01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04 is used. If PID01 = ``X'', then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.
Notes:		*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is 1, 2, 3, 5, 6, 7, or 9.*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
Must Use **PID01**	**349**	**Item Description Type**	M	ID	1/1
		Code indicating the format of a description			
		F	Free-form		
		S	Structured (From Industry Code List)		
		X	Semi-structured (Code and Text)		
Not Used **PID02**	**750**	**Product/Process Characteristic Code**	O	ID	2/3
		Code identifying the general class of a product or process characteristic			
PID03	**559**	**Agency Qualifier Code**	X	ID	2/2
		Code identifying the agency assigning the code values			
		AS	Assigned by Seller		
PID04	**751**	**Product Description Code**	X	AN	1/12
		A code from an industry code list which provides specific data about a product characteristic			
PID05	**352**	**Description**	X	AN	1/80
		A free-form description to clarify the related data elements and their content			

Not Used   PID06   752   Surface/Layer/Position Code   O   ID   2/2

Code indicating the product surface, layer or position that is being
described

Not Used   PID07   822   Source Subqualifier   O   AN   1/15

A reference that indicates the table or text maintained by the Source
Qualifier

Not Used   PID08   1073   Yes/No Condition or Response Code   O   ID   1/1

Code indicating a Yes or No condition or response

Segment:	**REF** Reference Numbers
Position:	050
Loop:	LX
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	*This segment is not used at HL1 (Service Provider Level). It is optional when HL03 is 2, 3, 5, 6, 7, or 9.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
10	Account Managers Code
	Identifies the telecommunications manager assigned to this account
11	Account Number
	Number identifies a telecommunications industry account
12	Billing Account
	Account number under which billing is rendered
13	Horizontal Coordinate
	Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
14	Master Account Number
	Account number used to represent individual billing accounts which have been consolidated and/or summarized
15	Vertical Coordinate
	Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme

BC	Buyer's Contract Number
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DO	Delivery Order Number
DP	Department Number
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
F8	Original Reference Number
GC	Government Contract Number
GT	Goods and Service Tax Registration Number
HB	Bill & Hold Invoice No.
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number

Number assigned when a customer orders service
and equipment and which appears on bill

PO	Purchase Order Number
PX	Previous Invoice Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

REF02   127   **Reference Number**   X   AN   1/30

Reference number or identification number as defined for a particular
Transaction Set, or as specified by the Reference Number Qualifier.

REF03   352   **Description**   X   AN   1/80

A free-form description to clarify the related data elements and their content

Segment:	**AMT** Monetary Amount	
Position:	060	
Loop:	LX	
Level:	Detail	
Usage:	Optional	
Max Use:	5	
Purpose:	To indicate the total monetary amount	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the AMT segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use AMT01	522	**Amount Qualifier Code**	M ID 1/2

Code to qualify amount

"6", "KO", "PB", and "SC" are the only valid codes at HL1 (Service Provider Level).

	1	Line Item Total
	5	Total Invoice Amount
	6	Amount Subject to Total Monetary Discount
	8	Total Monetary Discount Amount
	AD	Adjusted Total
	AP	Amount Prior to Fractionalization
		Full charge amount for the service per service period, prior to pro-rated fractionalization due to partial period billing
	AQ	Average Price Per Call
		The total amount of money associated with a category of calls divided by the total number of calls within the category calculated to provide call summary details
	AS	Average Price Per Minute
		The total amount of money associated with a category of calls divided by the total number of minutes within the category calculated to provide call summary details
	AX	Previous Price
	BT	Bank Reject Total
	CH	Change Amount
	CS	Commission Sales
		Those sales used to calculate commission payments

CT	Contract	
	Indicates the value stated in the contract	
KO	Committed Amount	
LI	Line Item Unit Price	
N	Net	
	Indicates the value remaining after all deductions and adjustments have been made	
NA	Net Adjustment	
NO	Non Commission Sales	
	Those sales not included for commission payment calculation	
NS	Net Savings Amount	
	Amount of dollar saving resulting from the use of service, such as Optional Calling Plans	
PB	Billed Amount	
	Total amount due on the period bill	
SC	Total Service Charge	
TP	Total payment amount	
TS	Total Sales	
	The total of commission and non commission sales needed to calculate intersell amount	
TT	Total Transaction Amount	

Must Use	**AMT02**	**782**	**Monetary Amount**	**M**	**R**	**1/15**
			Monetary amount			
Not Used	**AMT03**	**478**	**Credit/Debit Flag Code**	**O**	**ID**	**1/1**
			Code indicating whether amount is a credit or debit			

Segment:	**DTM** Date/Time Reference
Position:	070
Loop:	LX
Level:	Detail
Usage:	Optional
Max Use:	4
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is 1, 2, 3, 5, 6, 7 or 9.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3
			Code specifying type of date or time, or both date and time			
			001 Cancel After			
			003 Invoice			
			007 Effective			
			009 Process			
			035 Delivered			
			092 Contract Effective			
			093 Contract Expiration			
			102 Issue			
			150 Service Period Start			
			151 Service Period End			
			152 Effective Date of Change			
			Date on which the change went into effect			
			153 Service Interruption			
			154 Adjustment Period Start			
			155 Adjustment Period End			
			193 Period Start			
			194 Period End			
			198 Completion			
			Date when the activity was completed			
	DTM02	373	**Date**	X	DT	6/6
			Date (YYMMDD)			
Not Used	DTM03	337	**Time**	X	TM	4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS,			

or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	DTM04	623	**Time Code**	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	624	**Century**	O	N0	2/2

The first two characters in the designation of the year (CCYY)

Not Used	DTM06	1250	**Date Time Period Format Qualifier**	X	ID	2/3

Code indicating the date format, time format, or date and time format

Not Used	DTM07	1251	**Date Time Period**	X	AN	1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**TXI** Tax Information
Position:	080
Loop:	LX
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information
Syntax Notes:	1 At least one of TXI02 TXI03 or TXI06 is required.
	2 If either TXI04 or TXI05 is present, then the other is required.
	3 If TXI08 is present, then TXI03 is required.
Semantic Notes:	1 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 TXI02 is the monetary amount of the tax.
	2 TXI03 is the tax percent expressed as a decimal.
	3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	*When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	TXI01	963	**Tax Type Code**	M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI   Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes	
	TXI02	782	**Monetary Amount**	X	R	1/15

Monetary amount

TXI03	**954**	**Percent**	X	R	1/10

Percentage expressed as a decimal

Tax rate for this tax jurisdiction.

TXI04	**955**	**Tax Jurisdiction Code Qualifier**	X	ID	2/2

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05	**956**	**Tax Jurisdiction Code**	X	AN	1/10

Code identifying the taxing jurisdiction

TXI06	**441**	**Tax Exempt Code**	X	ID	1/1

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)
5	Exempt (Not For Resale)
8	Exempt (Sale to U.S. Govt)
9	Exempt (Per State Law)
C	Not Taxable

TXI07	**662**	**Relationship Code**	O	ID	1/1

Code indicating the relationship between entities

A	Add
D	Delete
O	Information Only

    Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

TXI08	**828**	**Dollar Basis For Percent**	O	R	1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

TXI09	**325**	**Tax Identification Number**	O	AN	1/20

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Not Used	**TXI10**	**350**	**Assigned Identification**	O	AN	1/11

Alphanumeric characters assigned for differentiation within a transaction set

Segment:	**QTY** Quantity
Position:	090
Loop:	QTY
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	Quantity Qualifier	M	ID	2/2

Code specifying the type of quantity

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
90	Acknowledged Quantity
	Network Recognition for message receipt
91	Additional Usage Quantity
	The amount of usage incurred above the alloted or allowable use for a service
92	Allotted Usage Quantity
	The amount of allowable usage related to a service
93	Attendant-Handled Quantity
	Manual Recognition for message receipt
94	Billable Quantity
	Number of billable units used
95	Data Storage Quantity
	Number of storage units used
96	Non-Billable Quantity
	Number of non-billable units
97	Non-Urgent Delivery Quantity
	Number of units delivered in non-urgent status
98	Overflow Quantity
	Number of overflow messages, (Busy condition count for 800 service)

	99	Quantity Used
		Quantity of units used
	AA	Unacknowledged Quantity
		Message received without network, or attendant recognition
	AB	Urgent Delivery Quantity
		Number of units delivered in urgent status
	AC	Voice Storage Quantity
		Number of voice storage units used
	AD	Maintenance Units
		Number of units of maintenance provided
	AE	Minimum Average Time Requirement (MATR) Units
		Number of units calculated at a minimum usage rating basis, such as X minutes per message
	AF	Wide Area Telephone Service (WATS)/800 Service Units
		Number of units of usage, for WATS or 800 service
	AG	Number of End Users
		Number of participating users
	AH	Number of Message Recipients
		Number of recipients
	AI	Number of Operator Credits
		Number of operator credits given
	AJ	Daily Adjustments
	NS	Number of Stations
		Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example

Must Use	QTY02	380	**Quantity**	M	R	1/15

Numeric value of quantity

	QTY03	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

	03	Seconds
	12	Packet
	1X	Quarter Mile
	AD	Bytes
		Number of bytes of data transmitted
	AH	Additional Minutes
		The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service

AL	Access Lines	
	Number of lines subject to Carrier Access Line Charges	
C0	Calls	
	Number of calls handled	
DA	Days	
DC	Disk (Disc)	
DH	Miles	
DK	Kilometers	
DQ	Data Records	
	Number of Data Records handled	
DY	Directory Books	
	Number of directory books delivered to customer	
EA	Each	
EB	Electronic Mail Boxes	
	Number of Electronic Mail Boxes established for an account	
EV	Envelope	
G7	Microfiche Sheet	
	A film that contains photographed documents greatly reduced in size	
H1	Half Pages - Electronic	
	Number of electronic half pages of data delivered	
HR	Hours	
HT	Half Hour	
KB	Kilocharacters	
	Kilocharacters of data transmitted	
KF	Kilopackets	
	Kilopackets of data transmitted	
KJ	Kilosegments	
	Kilosegments of data transmitted	
M0	Magnetic Tapes	
	Number of Magnetic Tapes delivered with data	
M4	Monetary Value	
MJ	Minutes	
MO	Months	
MR	Meter	
NF	Messages	
	Number of Messages transmitted, or delivered	
NH	Message Hours	
	Number of hours used, calculated at some rate basis such as Minutes/message carried	

NJ	Number of Screens	
	Number of data screens handled, or transmitted	
OT	Overtime Hours	
P0	Pages - Electronic	
	Number of electronic pages of data delivered	
P1	Percent	
QA	Pages - Facsimile	
	Number of FAX pages transmitted	
QB	Pages - Hardcopy	
	Number of printed pages delivered	
QH	Quarter Hours	
	Number of 15 minute increments of usage handled	
RS	Resets	
	Number of times a transmission is reset due to line drop, interrupt, etc.	
S6	Sessions	
	Number of interactive sessions handled	
S7	Storage Units	
	Number of storage increments used	
SG	Segment	
T0	Telecommunications Lines in Service	
	Snapshot sample of lines in service	
UB	Telecommunications Lines in Service - Average	
	Average number of lines in service specific to equal access requirements	
UC	Telecommunications Ports	
	Number of network access ports	
UD	Tenth Minutes	
	Number of 6 second increments of usage	
UE	Tenth Hours	
	Number of 6 minute increments of usage	
UF	Usage per Telecommunications Line - Average	
UN	Unit	
ZZ	Mutually Defined	

Segment:	**SI** Service Characteristic Identification	
Position:	100	
Loop:	QTY	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify service characteristic data	
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".*	
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	

Code from an industry code list qualifying the type of service characteristics

SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	

Identifying number for a product or service

Segment:	**NM1** Individual or Organizational Name	
Position:	110	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To supply the full name of an individual or organizational entity	
Syntax Notes:	1	If either NM108 or NM109 is present, then the other is required.
Semantic Notes:	1	NM102 qualifies NM103.
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the NM1 loop is optional when HL03 is "2", "3", "5", "6", or "7", and is required when HL03 is "1".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	NM101	98	**Entity Identifier Code**	M ID	2/2

Code identifying an organizational entity, a physical location, or an individual

1. "SJ" is the only valid code at HL1 (Service Provider Level).

2. "OB" and "P9" are invalid at HL2 (Billing Arrangement Level) and HL3 (Sub-Billing Arrangement Level).

3. "C3", "CT", "GP", "IA", "OB", and "P9" are the only valid codes at HL5 (Category Level), HL6 (Subcategory Level) and HL7 (Type Level).

AG	Agent/Agency
AK	Party to Whom Acknowledgment Should Be Sent
AO	Account Of
BS	Bill and Ship To
C3	Circuit Location Identifier
	Identifies the address information as that which is assigned to a circuit location address
CA	Carrier
CT	Country of Origin
EN	End User
GP	Gateway Provider
	Identifies a gateway access provider
IA	Installed At
NN	Network Name
	Identifies the name of the telecommunications network, e.g., Envoy
OB	Ordered By

	P9	Primary Interexchange Carrier (PIC)		

Identifies the carrier who will handle the interexchange calls

	PE	Payee
	PM	Party to receive paper Memo of Invoice
	PR	Payer
	RI	Remit To
	RL	Reporting Location
	SE	Selling Party
	SJ	Service Provider

Identifies name and address information as pertaining to a service provider for which billing is being rendered

Must Use	**NM102**	**1065**	**Entity Type Qualifier**	**M**	**ID**	**1/1**

Code qualifying the type of entity

Use only code "2" for federal government invoices.

| | 1 | Person |
| | 2 | Non-Person Entity |

	NM103	**1035**	**Name Last or Organization Name**	**O**	**AN**	**1/35**

Individual last name or organizational name

	NM104	**1036**	**Name First**	**O**	**AN**	**1/25**

Individual first name

	NM105	**1037**	**Name Middle**	**O**	**AN**	**1/25**

Individual middle name or initial

	NM106	**1038**	**Name Prefix**	**O**	**AN**	**1/10**

Prefix to individual name

	NM107	**1039**	**Name Suffix**	**O**	**AN**	**1/10**

Suffix to individual name

	NM108	**66**	**Identification Code Qualifier**	**X**	**ID**	**1/2**

Code designating the system/method of code structure used for Identification Code (67)

	1	D-U-N-S Number, Dun & Bradstreet
	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
	40	Electronic Mail User Code

Identifies the Electronic Mail User locally defined and maintained between trading partners

| | 41 | Telecommunications Carrier Identification Code |

Identifies the Interexchange carrier for the charges being billed

| | 42 | Telecommunications Pseudo Carrier Identification Code |

A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers

	91	Assigned by Seller or Seller's Agent
	92	Assigned by Buyer or Buyer's Agent

NM109   **67**   **Identification Code**   **X**   **AN**   **2/20**

Code identifying a party or other code

Segment:	**N2** **Additional Name Information**	
Position:	120	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**N201**	93	**Name**	M	AN	1/35
			Free-form name			
	N202	93	**Name**	O	AN	1/35
			Free-form name			

Segment:	**N3** Address Information	
Position:	130	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify the location of the named party	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N301	166	**Address Information** Address information	M	AN	1/35
	N302	166	**Address Information** Address information	O	AN	1/35

Segment:	**N4** Geographic Location
Position:	140
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the USA or Canada.
Notes:	*When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
N401	**19**	**City Name**	O	AN	2/30
		Free-form text for city name			
N402	**156**	**State or Province Code**	O	ID	2/2
		Code (Standard State/Province) as defined by appropriate government agency			
N403	**116**	**Postal Code**	O	ID	3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	**26**	**Country Code**	O	ID	2/3
		Code identifying the country			
N405	**309**	**Location Qualifier**	X	ID	1/2
		Code identifying type of location			

    AC   City and State
    CC   Country
    CI   City
    SP   State/Province

Ref. Des.	Data Element	Name		Attributes	
N406	**310**	**Location Identifier**	O	AN	1/30
		Code which identifies a specific location			

Segment:	**REF** Reference Numbers
Position:	150
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "1", "2', "3", "5", "6", or "7".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**REF01**	**128**	**Reference Number Qualifier**	**M**	**ID**	**2/2**
			Code qualifying the Reference Number.			
			1. Refer to code list provided in the REF segment in Table 2 position 50.			
			2. "10", "CR", "EF", "GT", "IV", "LB", "RT", "TF" and "VC" are the only valid codes at HL1 (Service Provider Level).			
	REF02	**127**	**Reference Number**	**X**	**AN**	**1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
	REF03	**352**	**Description**	**X**	**AN**	**1/80**
			A free-form description to clarify the related data elements and their content			

Segment:	**PER** Administrative Communications Contact
Position:	160
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER01	366	**Contact Function Code**	**M**	**ID**	**2/2**

Code identifying the major duty or responsibility of the person or group named

AD	Accounting Department
BD	Buyer Name or Department
BI	Bill Inquiry Contact
	Service Provider contact for making inquires about information on the invoice
CC	Computer Systems Contact
DA	Directory Advertising Contact
	Service Provider contact for questions about, and changes to, directory advertising
IC	Information Contact
MA	Maintenance Contact
	Service Provider contact for requesting service maintainance, or reporting problems
OC	Order Contact
OD	Order Department
PM	Product Manager
QA	Quality Assurance Contact
SR	Sales Representative or Department
TR	Technical Marketing Representative

	Ref. Des.	Data Element	Name		Attributes	
	PER02	93	**Name**	**O**	**AN**	**1/35**

Free-form name

	PER03	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

	AU		Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

	EM		Electronic Mail
	FX		Facsimile
	TE		Telephone

	PER04	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

	PER05	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

	AU		Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

	EM		Electronic Mail
	FX		Facsimile
	TE		Telephone

	PER06	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

	PER07	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

See code list at PER05.

	PER08	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN**	**1/20**

Additional reference number or description to clarify a contact number

Segment:	**TXI** Tax Information	
Position:	170	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:		***When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "1", "2", "3", "5", "6" or "7".***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	TXI01	963	**Tax Type Code**	M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI   Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	TXI02	782	**Monetary Amount**	X	R	1/15

Monetary amount

	TXI03	954	**Percent**	**X**	**R**	**1/10**

Percentage expressed as a decimal

Tax rate for this jurisdiction.

	TXI04	955	**Tax Jurisdiction Code Qualifier**	**X**	**ID**	**2/2**

Code identifying the source of the data used in tax jurisdiction code

	CD		Customer defined
	VD		Vendor defined
	VE		Vertex

	TXI05	956	**Tax Jurisdiction Code**	**X**	**AN**	**1/10**

Code identifying the taxing jurisdiction

	TXI06	441	**Tax Exempt Code**	**X**	**ID**	**1/1**

Code identifying exemption status from sales and use tax

	1		Yes (Tax Exempt)
	2		No (Not Tax Exempt)
	5		Exempt (Not For Resale)
	8		Exempt (Sale to U.S. Govt)
	9		Exempt (Per State Law)
	C		Not Taxable

	TXI07	662	**Relationship Code**	**O**	**ID**	**1/1**

Code indicating the relationship between entities

	A		Add
	D		Delete
	O		Information Only

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

	TXI08	828	**Dollar Basis For Percent**	**O**	**R**	**1/9**

Dollar basis to be used in the percent calculation of the allowance, charge or tax

	TXI09	325	**Tax Identification Number**	**O**	**AN**	**1/20**

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Not Used	**TXI10**	350	**Assigned Identification**	**O**	**AN**	**1/11**

Alphanumeric characters assigned for differentiation within a transaction set

Segment:	**ITA** Allowance, Charge or Service
Position:	180
Loop:	ITA
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services

Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
	2	If ITA08 is present, then ITA09 is required.
	3	If either ITA10 or ITA11 is present, then the other is required.
	4	If ITA15 is present, then ITA02 is required.
Semantic Notes:	1	ITA09 is the allowance or charge percent.
	2	ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
	3	ITA12 is the quantity of free goods.
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	4	ITA13 is used to clarify the allowance, charge, or service.
	5	ITA15 specifies the individual code list of the agency specified in ITA02.
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:		*When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1
			Code which indicates an allowance or charge for the service specified			
			A Allowance			
			C Charge			
			N No Allowance or Charge			
	ITA02	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
	ITA03	560	**Special Services Code**	X	ID	2/10
			Code identifying the special service			
			See TCIF Section 10.4 for valid values.			
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2
			Code indicating method of handling for an allowance or charge			
			04 Credit Customer Account			
			06 Charge to be Paid by Customer			

			ZZ	Mutually Defined		
	ITA05	**341**	**Allowance or Charge Number**	**O**	**AN**	**1/16**

The number assigned by a vendor referencing an allowance, promotion, deal or charge

Not Used	**ITA06**	**359**	**Allowance or Charge Rate**	**O**	**R**	**1/9**

Allowance or Charge Rate per Unit

	ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2**	**1/9**

Total dollar amount for the allowance or charge

	ITA08	**378**	**Allowance/ Charge Percent Qualifier**	**O**	**ID**	**1/1**

Code indicating on what basis allowance or charge percent is calculated

> 9   Late Payment Charge Base Amount
>
>   Amount outstanding after the past due date, and subject to a late payment charge

	ITA09	**332**	**Percent**	**X**	**R**	**1/6**

Percent expressed as a percent

	ITA10	**380**	**Quantity**	**X**	**R**	**1/15**

Numeric value of quantity

	ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

> 03   Seconds
>
> 12   Packet
>
> 1X   Quarter Mile
>
> AD   Bytes
>
>   Number of bytes of data transmitted
>
> AH   Additional Minutes
>
>   The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
>
> AL   Access Lines
>
>   Number of lines subject to Carrier Access Line Charges
>
> C0   Calls
>
>   Number of calls handled
>
> DA   Days
>
> DC   Disk (Disc)
>
> DH   Miles
>
> DK   Kilometers
>
> DQ   Data Records
>
>   Number of Data Records handled
>
> DY   Directory Books
>
>   Number of directory books delivered to customer

EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled

	RS		Resets			

Number of times a transmission is reset due to line drop, interrupt, etc.

	S6		Sessions			

Number of interactive sessions handled

	S7		Storage Units			

Number of storage increments used

	SG		Segment			
	T0		Telecommunications Lines in Service			

Snapshot sample of lines in service

	UB		Telecommunications Lines in Service - Average			

Average number of lines in service specific to equal access requirements

	UC		Telecommunications Ports			

Number of network access ports

	UD		Tenth Minutes			

Number of 6 second increments of usage

	UE		Tenth Hours			

Number of 6 minute increments of usage

	UF		Usage per Telecommunications Line - Average			
	UN		Unit			
	ZZ		Mutually Defined			

Not Used	**ITA12**	**380**	**Quantity**	**O**	**R**	**1/15**

Numeric value of quantity

	ITA13	**352**	**Description**	**X**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

	ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID**	**3/3**

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

Refer to 003050 Data Element Dictionary for acceptable code values.

Not Used	**ITA15**	**822**	**Source Subqualifier**	**O**	**AN**	**1/15**

A reference that indicates the table or text maintained by the Source Qualifier

	ITA16	**662**	**Relationship Code**	**O**	**ID**	**1/1**

Code indicating the relationship between entities

Code "I" is only valid in HLs 4 - 9.

	A		Add
	D		Delete
	I		Included
	O		Information Only

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**DTM** Date/Time Reference
Position:	190
Loop:	ITA
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End

	Ref. Des.	Data Element	Name		Attributes	
	DTM02	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

	Ref. Des.	Data Element	Name		Attributes	
Not Used	**DTM03**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name		Attributes	
Not Used	**DTM04**	**623**	**Time Code**	**O**	**ID**	**2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

| | **DTM05** | **624** | **Century** | **O** | **N0** | **2/2** |

The first two characters in the designation of the year (CCYY)

| Not Used | **DTM06** | **1250** | **Date Time Period Format Qualifier** | **X** | **ID** | **2/3** |

Code indicating the date format, time format, or date and time format

| Not Used | **DTM07** | **1251** | **Date Time Period** | **X** | **AN** | **1/35** |

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**TXI** Tax Information	
Position:	200	
Loop:	ITA	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	TXI01	963	**Tax Type Code**	M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes		
	TXI02	782	**Monetary Amount**	X	R	1/15

Monetary amount

	TXI03	954	**Percent**	X	R	1/10
			Percentage expressed as a decimal			
			Tax rate for this jurisdiction.			
	TXI04	955	**Tax Jurisdiction Code Qualifier**	X	ID	2/2
			Code identifying the source of the data used in tax jurisdiction code			

> CD   Customer defined
> VD   Vendor defined
> VE   Vertex

	TXI05	956	**Tax Jurisdiction Code**	X	AN	1/10
			Code identifying the taxing jurisdiction			
	TXI06	441	**Tax Exempt Code**	X	ID	1/1
			Code identifying exemption status from sales and use tax			

> 1   Yes (Tax Exempt)
> 2   No (Not Tax Exempt)
> 5   Exempt (Not For Resale)
> 8   Exempt (Sale to U.S. Govt)
> 9   Exempt (Per State Law)
> C   Not Taxable

	TXI07	662	**Relationship Code**	O	ID	1/1
			Code indicating the relationship between entities			

> A   Add
> D   Delete
> O   Information Only
>
>   Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

	TXI08	828	**Dollar Basis For Percent**	O	R	1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax			
	TXI09	325	**Tax Identification Number**	O	AN	1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
Not Used	TXI10	350	**Assigned Identification**	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			

Segment:	**IT1** Baseline Item Data (Invoice)
Position:	210
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:	**1** If any of IT102 IT103 or IT104 is present, then all are required.
	2 If either IT106 or IT107 is present, then the other is required.
	3 If either IT108 or IT109 is present, then the other is required.
	4 If either IT110 or IT111 is present, then the other is required.
	5 If either IT112 or IT113 is present, then the other is required.
	6 If either IT114 or IT115 is present, then the other is required.
	7 If either IT116 or IT117 is present, then the other is required.
	8 If either IT118 or IT119 is present, then the other is required.
	9 If either IT120 or IT121 is present, then the other is required.
	10 If either IT122 or IT123 is present, then the other is required.
	11 If either IT124 or IT125 is present, then the other is required.
Semantic Notes:	**1** IT101 is the purchase order line item identification.
Comments:	**1** Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
	2 IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes:	*1. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.*
	2. When submitting the 811 to any federal agency, use of the IT1 segment is required when HL03 is "4".

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
IT101	350	**Assigned Identification**	O	AN	1/11
		Alphanumeric characters assigned for differentiation within a transaction set			
Must Use IT102	358	**Quantity Invoiced**	M	R	1/10
		Number of units invoiced (supplier units)			
Must Use IT103	355	**Unit or Basis for Measurement Code**	M	ID	2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		When IT103 = "M4" - Rules of extended pricing do not apply. Proposed TCIF change - At least one M4 code must be used if there are charges at the subordinate levels (5-9). When M4 is used, IT104 equals the roll up from lower levels (see TCIF summing rules in TCIF Section			

			7.3).			
			EA	Each		
			M4	Monetary Value		
			MO	Months		
Must Use	**IT104**	**212**	**Unit Price**		M R	1/17
			Price per unit of product, service, commodity, etc.			
	IT105	**639**	**Basis of Unit Price Code**		O ID	2/2
			Code identifying the type of unit price for an item			
			BD	Before Discount		
				Full amount for the service prior to application of any appropriate discounts		
			CP	Current Price (Subject to Change)		
			CT	Contract		
			PE	Price per Each		
			PM	Monthly Price Per Unit		
			TE	Contract Price per Each		
	IT106	**235**	**Product/Service ID Qualifier**		X ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			SV	Service Rendered		
	IT107	**234**	**Product/Service ID**		X AN	1/40
			Identifying number for a product or service			
			See TCIF section 10.4 for valid values.			
Not Used	**IT108**	**235**	**Product/Service ID Qualifier**		X ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**IT109**	**234**	**Product/Service ID**		X AN	1/40
			Identifying number for a product or service			
Not Used	**IT110**	**235**	**Product/Service ID Qualifier**		X ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**IT111**	**234**	**Product/Service ID**		X AN	1/40
			Identifying number for a product or service			
Not Used	**IT112**	**235**	**Product/Service ID Qualifier**		X ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	**IT113**	**234**	**Product/Service ID**		X AN	1/40
			Identifying number for a product or service			
Not Used	**IT114**	**235**	**Product/Service ID Qualifier**		X ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			

Not Used	IT115	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
Not Used	IT116	235	**Product/Service ID Qualifier**	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	IT117	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
Not Used	IT118	235	**Product/Service ID Qualifier**	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	IT119	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
Not Used	IT120	235	**Product/Service ID Qualifier**	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	IT121	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
Not Used	IT122	235	**Product/Service ID Qualifier**	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	IT123	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
Not Used	IT124	235	**Product/Service ID Qualifier**	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	IT125	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			

Segment:	**SI** **Service Characteristic Identification**
Position:	220
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "4".*
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

		Identifying number for a product or service				
SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				
SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**	
		Code from an industry code list qualifying the type of service characteristics				
SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**	
		Identifying number for a product or service				

Segment:	**PID** Product/Item Description
Position:	230
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format

Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID03 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A ``Y'' indicates that the specified attribute applies to this item. A ``N'' indicates it does not apply. Any other value is indeterminate.

Comments:
1. If PID01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04 is used. If PID01 = ``X'', then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Notes: *When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	PID01	349	**Item Description Type**	M	ID	1/1
			Code indicating the format of a description			
			F Free-form			
			S Structured (From Industry Code List)			
			X Semi-structured (Code and Text)			
Not Used	PID02	750	**Product/Process Characteristic Code**	O	ID	2/3
			Code identifying the general class of a product or process characteristic			
	PID03	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			AS Assigned by Seller			
	PID04	751	**Product Description Code**	X	AN	1/12
			A code from an industry code list which provides specific data about a product characteristic			
	PID05	352	**Description**	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Not Used PID06   752   Surface/Layer/Position Code   O   ID   2/2

Code indicating the product surface, layer or position that is being
described

Not Used PID07   822   Source Subqualifier   O   AN   1/15

A reference that indicates the table or text maintained by the Source
Qualifier

Not Used PID08   1073   Yes/No Condition or Response Code   O   ID   1/1

Code indicating a Yes or No condition or response

Segment:	**INC** Installment Information	
Position:	240	
Loop:	IT1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify installment billing arrangement	
Syntax Notes:		
Semantic Notes:	**1** INC02 is the installment period (e.g., months).	
	2 INC03 is the total number of installments.	
	3 INC04 is the number of the current installment.	
	4 INC05 is the installment balance after the current installment is applied.	
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the INC segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	INC01	336	**Terms Type Code**	M	ID	2/2
			Code identifying type of payment terms			
			04 Deferred or Installment			
Must Use	INC02	355	**Unit or Basis for Measurement Code**	M	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			MO Months			
Must Use	INC03	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
			Indicates the total number of installments.			
Must Use	INC04	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
			Indicates the number of current installments.			
	INC05	782	**Monetary Amount**	O	R	1/15
			Monetary amount			
			Balance remaining after this installment is billed.			

Segment:	**TXI** Tax Information
Position:	250
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information

Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:		*When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	TXI01	963	**Tax Type Code**		M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes		
	TXI02	782	**Monetary Amount**		X	R	1/15

Monetary amount

		Proposed TCIF change to summing rules - This amount will be the roll up of subordinate TXI segment billed amounts.			
TXI03	**954**	**Percent**	**X**	**R**	**1/10**
		Percentage expressed as a decimal			
		Tax rate for this jurisdiction.			
TXI04	**955**	**Tax Jurisdiction Code Qualifier**	**X**	**ID**	**2/2**
		Code identifying the source of the data used in tax jurisdiction code			

    CD   Customer defined
    VD   Vendor defined
    VE   Vertex

TXI05	**956**	**Tax Jurisdiction Code**	**X**	**AN**	**1/10**
		Code identifying the taxing jurisdiction			
TXI06	**441**	**Tax Exempt Code**	**X**	**ID**	**1/1**
		Code identifying exemption status from sales and use tax			

    1   Yes (Tax Exempt)
    2   No (Not Tax Exempt)
    5   Exempt (Not For Resale)
    8   Exempt (Sale to U.S. Govt)
    9   Exempt (Per State Law)
    C   Not Taxable

TXI07	**662**	**Relationship Code**	**O**	**ID**	**1/1**
		Code indicating the relationship between entities			

    A   Add
    D   Delete
    O   Information Only

       Charges which relate to but may not be included in
       or added to the unit price of the SLN. (i.e., compute
       WATS calculation based upon usage amounts)

TXI08	**828**	**Dollar Basis For Percent**	**O**	**R**	**1/9**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN**	**1/20**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
Not Used **TXI10**	**350**	**Assigned Identification**	**O**	**AN**	**1/11**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment:	**REF** Reference Numbers	
Position:	260	
Loop:	IT1	
Level:	Detail	
Usage:	Optional	
Max Use:	8	
Purpose:	To specify identifying numbers.	
Syntax Notes:	**1** At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**REF01**	**128**	**Reference Number Qualifier**	M	ID	2/2
			Code qualifying the Reference Number.			
			Refer to code list provided in the REF segment in Table 2 position 50.			
	REF02	**127**	**Reference Number**	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
	REF03	**352**	**Description**	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Segment:	**DTM** Date/Time Reference	
Position:	270	
Loop:	IT1	
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

001		Cancel After
003		Invoice
009		Process
035		Delivered
050		Received
092		Contract Effective
093		Contract Expiration
102		Issue
150		Service Period Start
151		Service Period End
152		Effective Date of Change
		Date on which the change went into effect
153		Service Interruption
154		Adjustment Period Start
155		Adjustment Period End
201		Acceptance

	Ref. Des.	Data Element	Name		Attributes	
	DTM02	373	**Date**	X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name		Attributes	
Not Used	DTM03	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used DTM04   **623**   **Time Code**   **O   ID   2/2**

Code identifying the time. In accordance with International Standards
Organization standard 8601, time can be specified by a + or - and an
indication in hours in relation to Universal Time Coordinate (UTC) time;
since + is a restricted character, + and - are substituted by P and M in the
codes that follow

DTM05   **624**   **Century**   **O   N0   2/2**

The first two characters in the designation of the year (CCYY)

Not Used DTM06   **1250**   **Date Time Period Format Qualifier**   **X   ID   2/3**

Code indicating the date format, time format, or date and time format

Not Used DTM07   **1251**   **Date Time Period**   **X   AN   1/35**

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**MSG** Message Text
Position:	280
Loop:	IT1
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To provide a free form format that would allow the transmission of text information.
Syntax Notes:	
Semantic Notes:	
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	MSG01	933	**Free-Form Message Text**	M	AN	1/264
			Free-form message text			
Not Used	MSG02	934	**Printer Carriage Control Code**	O	ID	2/2
			A field to be used for the control of the line feed of the receiving printer			

Segment:	**QTY** Quantity
Position:	290
Loop:	QTY
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2
			Code specifying the type of quantity			
			Refer to code list provided in the QTY segment in Table 2 position 90.			
Must Use	QTY02	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
	QTY03	355	**Unit or Basis for Measurement Code**	O	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to code list provided in the QTY segment in Table 2 position 90.			

Segment:	**SI** Service Characteristic Identification	
Position:	300	
Loop:	QTY	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify service characteristic data	
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*See TCIF section 10.4 for valid values when using data element 1000/234 pairs. When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI08	1000	**Service Characteristics Qualifier**	X	ID	2/2

Code from an industry code list qualifying the type of service characteristics

SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

Segment:	**ITA** Allowance, Charge or Service
Position:	310
Loop:	ITA
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services

Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
	2	If ITA08 is present, then ITA09 is required.
	3	If either ITA10 or ITA11 is present, then the other is required.
	4	If ITA15 is present, then ITA02 is required.
Semantic Notes:	1	ITA09 is the allowance or charge percent.
	2	ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
	3	ITA12 is the quantity of free goods.
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	4	ITA13 is used to clarify the allowance, charge, or service.
	5	ITA15 specifies the individual code list of the agency specified in ITA02.
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:		*When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1
			Code which indicates an allowance or charge for the service specified			
			A Allowance			
			C Charge			
			N No Allowance or Charge			
	ITA02	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
	ITA03	560	**Special Services Code**	X	ID	2/10
			Code identifying the special service			
			See TCIF Section 10.4 for valid values.			
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2
			Code indicating method of handling for an allowance or charge			
			04 Credit Customer Account			
			06 Charge to be Paid by Customer			

			ZZ	Mutually Defined			

	ITA05	341	**Allowance or Charge Number**	**O**	**AN**	**1/16**

The number assigned by a vendor referencing an allowance, promotion, deal or charge

	ITA06	359	**Allowance or Charge Rate**	**O**	**R**	**1/9**

Allowance or Charge Rate per Unit

	ITA07	360	**Allowance or Charge Total Amount**	**O**	**N2**	**1/9**

Total dollar amount for the allowance or charge

	ITA08	378	**Allowance/ Charge Percent Qualifier**	**O**	**ID**	**1/1**

Code indicating on what basis allowance or charge percent is calculated

> 9   Late Payment Charge Base Amount
>
> Amount outstanding after the past due date, and subject to a late payment charge

	ITA09	332	**Percent**	**X**	**R**	**1/6**

Percent expressed as a percent

	ITA10	380	**Quantity**	**X**	**R**	**1/15**

Numeric value of quantity

	ITA11	355	**Unit or Basis for Measurement Code**	**X**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to code list provided in the ITA segment in Table 2 position 180.

Not Used	**ITA12**	380	**Quantity**	**O**	**R**	**1/15**

Numeric value of quantity

	ITA13	352	**Description**	**X**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

	ITA14	150	**Special Charge or Allowance Code**	**X**	**ID**	**3/3**

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

Not Used	**ITA15**	822	**Source Subqualifier**	**O**	**AN**	**1/15**

A reference that indicates the table or text maintained by the Source Qualifier

	ITA16	662	**Relationship Code**	**O**	**ID**	**1/1**

Code indicating the relationship between entities

> A   Add
>
> D   Delete
>
> I   Included
>
> O   Information Only
>
> Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**DTM** Date/Time Reference	
Position:	320	
Loop:	ITA	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

007	Effective
009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End

	Ref. Des.	Data Element	Name	Attributes		
	DTM02	373	**Date**	X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	DTM03	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	DTM04	623	**Time Code**	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an

indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	**624**	**Century**	**O**	**N0**	**2/2**

The first two characters in the designation of the year (CCYY)

Not Used	**DTM06**	**1250**	**Date Time Period Format Qualifier**	**X**	**ID**	**2/3**

Code indicating the date format, time format, or date and time format

Not Used	**DTM07**	**1251**	**Date Time Period**	**X**	**AN**	**1/35**

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**TXI** Tax Information	
Position:	330	
Loop:	ITA	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	TXI01	963	**Tax Type Code**	M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes		
	TXI02	782	**Monetary Amount**	X	R	1/15

Monetary amount

TXI03	954	**Percent**	X	R	1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	955	**Tax Jurisdiction Code Qualifier**	X	ID	2/2

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05	956	**Tax Jurisdiction Code**	X	AN	1/10

Code identifying the taxing jurisdiction

TXI06	441	**Tax Exempt Code**	X	ID	1/1

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)

TXI07	662	**Relationship Code**	O	ID	1/1

Code indicating the relationship between entities

A	Add
D	Delete
O	Information Only

    Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

TXI08	828	**Dollar Basis For Percent**	O	R	1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

TXI09	325	**Tax Identification Number**	O	AN	1/20

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Not Used	**TXI10**	350	**Assigned Identification**	O	AN	1/11

Alphanumeric characters assigned for differentiation within a transaction set

Segment:	**NM1** Individual or Organizational Name	
Position:	340	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To supply the full name of an individual or organizational entity	
Syntax Notes:	1	If either NM108 or NM109 is present, then the other is required.
Semantic Notes:	1	NM102 qualifies NM103.
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**NM101**	**98**	**Entity Identifier Code**	**M**	**ID**	**2/2**

Code identifying an organizational entity, a physical location, or an individual

AG	Agent/Agency	
AK	Party to Whom Acknowledgment Should Be Sent	
AO	Account Of	
BS	Bill and Ship To	
C3	Circuit Location Identifier	

> Identifies the address information as that which is assigned to a circuit location address

CA	Carrier
CT	Country of Origin
EN	End User
GP	Gateway Provider

> Identifies a gateway access provider

IA	Installed At
P9	Primary Interexchange Carrier (PIC)

> Identifies the carrier who will handle the interexchange calls

PE	Payee
PM	Party to receive paper Memo of Invoice
PR	Payer
RI	Remit To
RL	Reporting Location
SE	Selling Party
SJ	Service Provider

> Identifies name and address information as

pertaining to a service provider for which billing is being rendered

Must Use	NM102	1065	**Entity Type Qualifier**	M	ID	1/1

Code qualifying the type of entity

Use only code "2" in federal government invoices.

1	Person
2	Non-Person Entity

	NM103	1035	**Name Last or Organization Name**	O	AN	1/35

Individual last name or organizational name

	NM104	1036	**Name First**	O	AN	1/25

Individual first name

	NM105	1037	**Name Middle**	O	AN	1/25

Individual middle name or initial

	NM106	1038	**Name Prefix**	O	AN	1/10

Prefix to individual name

	NM107	1039	**Name Suffix**	O	AN	1/10

Suffix to individual name

	NM108	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
40	Electronic Mail User Code
	Identifies the Electronic Mail User locally defined and maintained between trading partners
41	Telecommunications Carrier Identification Code
	Identifies the Interexchange carrier for the charges being billed
42	Telecommunications Pseudo Carrier Identification Code
	A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

	NM109	67	**Identification Code**	X	AN	2/20

Code identifying a party or other code

Segment:	**N2** Additional Name Information
Position:	350
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N201	93	**Name**	M	AN	1/35
			Free-form name			
	N202	93	**Name**	O	AN	1/35
			Free-form name			

Segment:	**N3** **Address Information**
Position:	360
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N301	166	**Address Information**	M	AN	1/35
			Address information			
	N302	166	**Address Information**	O	AN	1/35
			Address information			

Segment:	**N4** Geographic Location
Position:	370
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the USA or Canada.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes		
N401	**19**	**City Name**		O	AN	2/30
		Free-form text for city name				
N402	**156**	**State or Province Code**		O	ID	2/2
		Code (Standard State/Province) as defined by appropriate government agency				
N403	**116**	**Postal Code**		O	ID	3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	**26**	**Country Code**		O	ID	2/3
		Code identifying the country				
N405	**309**	**Location Qualifier**		X	ID	1/2
		Code identifying type of location				
		AC	City and State			
		CC	Country			
		CI	City			
		SP	State/Province			
N406	**310**	**Location Identifier**		O	AN	1/30
		Code which identifies a specific location				

Segment:	**PER** Administrative Communications Contact
Position:	380
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "4".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

AD	Accounting Department
BD	Buyer Name or Department
BI	Bill Inquiry Contact
	Service Provider contact for making inquires about information on the invoice
CC	Computer Systems Contact
DA	Directory Advertising Contact
	Service Provider contact for questions about, and changes to, directory advertising
IC	Information Contact
MA	Maintenance Contact
	Service Provider contact for requesting service maintainance, or reporting problems
OC	Order Contact
OD	Order Department
PM	Product Manager
QA	Quality Assurance Contact
SR	Sales Representative or Department
TR	Technical Marketing Representative

	Ref. Des.	Data Element	Name	Attributes
	PER02	93	**Name**	O AN 1/35

Free-form name

	PER03	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

		AU	Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

		EM	Electronic Mail
		FX	Facsimile
		TE	Telephone

	PER04	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

	PER05	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

		AU	Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

		EM	Electronic Mail
		FX	Facsimile
		TE	Telephone

	PER06	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

	PER07	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

See codes in PER05.

	PER08	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN**	**1/20**

Additional reference number or description to clarify a contact number

Segment:	**SLN** Subline Item Detail
Position:	390
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data

Syntax Notes:	1	If SLN07 is present, then SLN06 is required.
	2	If SLN08 is present, then SLN06 is required.
	3	If either SLN09 or SLN10 is present, then the other is required.
	4	If either SLN11 or SLN12 is present, then the other is required.
	5	If either SLN13 or SLN14 is present, then the other is required.
	6	If either SLN15 or SLN16 is present, then the other is required.
	7	If either SLN17 or SLN18 is present, then the other is required.
	8	If either SLN19 or SLN20 is present, then the other is required.
	9	If either SLN21 or SLN22 is present, then the other is required.
	10	If either SLN23 or SLN24 is present, then the other is required.
	11	If either SLN25 or SLN26 is present, then the other is required.
	12	If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1	SLN01 is the identifying number for the subline item.
	2	SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3	SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4	SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	See the Data Dictionary for a complete list of ID's.
	2	SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	3	SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes:

1. The SLN loop may only appear at HL8 (Charge Detail Level).

2. When submitting the 811 to any federal agency, use of the SLN loop is required when HL03 is "8".

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SLN01	350	**Assigned Identification**	M	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			
	SLN02	350	**Assigned Identification**	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction			

set

| Must Use | SLN03 | 662 | **Relationship Code** | M | ID | 1/1 |

Code indicating the relationship between entities

| | I | | Included |

| Must Use | SLN04 | 380 | **Quantity** | M | R | 1/15 |

Numeric value of quantity

| Must Use | SLN05 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

When SLN05 = "M4" Rules of extended pricing do not apply. Proposed TCIF change - When used, M4 equals the roll up from lower levels (see TCIF summing rules in TCIF Section 7.3).

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes

    Number of bytes of data transmitted

| AH | Additional Minutes |

    The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service

| AL | Access Lines |

    Number of lines subject to Carrier Access Line Charges

| C0 | Calls |

    Number of calls handled

DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records

    Number of Data Records handled

| DY | Directory Books |

    Number of directory books delivered to customer

| EA | Each |
| EB | Electronic Mail Boxes |

    Number of Electronic Mail Boxes established for an account

| EV | Envelope |
| G7 | Microfiche Sheet |

    A film that contains photographed documents greatly reduced in size

H1	Half Pages - Electronic	
	Number of electronic half pages of data delivered	
HR	Hours	
HT	Half Hour	
KB	Kilocharacters	
	Kilocharacters of data transmitted	
KF	Kilopackets	
	Kilopackets of data transmitted	
KJ	Kilosegments	
	Kilosegments of data transmitted	
M0	Magnetic Tapes	
	Number of Magnetic Tapes delivered with data	
M4	Monetary Value	
MJ	Minutes	
MO	Months	
MR	Meter	
NF	Messages	
	Number of Messages transmitted, or delivered	
NH	Message Hours	
	Number of hours used, calculated at some rate basis such as Minutes/message carried	
NJ	Number of Screens	
	Number of data screens handled, or transmitted	
OT	Overtime Hours	
P0	Pages - Electronic	
	Number of electronic pages of data delivered	
P1	Percent	
QA	Pages - Facsimile	
	Number of FAX pages transmitted	
QB	Pages - Hardcopy	
	Number of printed pages delivered	
QH	Quarter Hours	
	Number of 15 minute increments of usage handled	
RS	Resets	
	Number of times a transmission is reset due to line drop, interrupt, etc.	
S6	Sessions	
	Number of interactive sessions handled	
S7	Storage Units	
	Number of storage increments used	
SG	Segment	

		T0	Telecommunications Lines in Service
			Snapshot sample of lines in service
		UB	Telecommunications Lines in Service - Average
			Average number of lines in service specific to equal access requirements
		UC	Telecommunications Ports
			Number of network access ports
		UD	Tenth Minutes
			Number of 6 second increments of usage
		UE	Tenth Hours
			Number of 6 minute increments of usage
		UF	Usage per Telecommunications Line - Average
		UN	Unit
		ZZ	Mutually Defined

SLN06   212   **Unit Price**   X   R   1/17

Price per unit of product, service, commodity, etc.

SLN07   639   **Basis of Unit Price Code**   O   ID   2/2

Code identifying the type of unit price for an item

		BD	Before Discount
			Full amount for the service prior to application of any appropriate discounts
		CP	Current Price (Subject to Change)
		CT	Contract
		DP	Daily Price per Unit
		PB	Annual Price Per Unit
			Price changed Once per Year
		PE	Price per Each
		PM	Monthly Price Per Unit
		TE	Contract Price per Each
		TP	Price per Thousand
		WI	Weekly Price per Unit
			Price charged once per week

SLN08   662   **Relationship Code**   O   ID   1/1

Code indicating the relationship between entities

		A	Add
		D	Delete
		I	Included
		O	Information Only
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

	SLN09	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

  SV   Service Rendered

	SLN10	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

See TCIF Section 10.4 for valid values.

Not Used	**SLN11**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN12**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	**SLN13**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN14**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	**SLN15**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN16**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	**SLN17**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN18**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	**SLN19**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN20**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	**SLN21**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN22**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	**SLN23**	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	**SLN24**	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	SLN25	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN26	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Not Used	SLN27	235	**Product/Service ID Qualifier**	X	ID	2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	SLN28	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

Segment:	**SI** **Service Characteristic Identification**
Position:	400
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".*
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

Segment:	**PID** Product/Item Description
Position:	410
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format

Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID03 is required.

Semantic Notes:
1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A ``Y'' indicates that the specified attribute applies to this item. A ``N'' indicates it does not apply. Any other value is indeterminate.

Comments:
1. If PID01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04 is used. If PID01 = ``X'', then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Notes: *When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PID01	349	**Item Description Type**	M	ID	1/1
			Code indicating the format of a description			
			F	Free-form		
			S	Structured (From Industry Code List)		
			X	Semi-structured (Code and Text)		
Not Used	PID02	750	**Product/Process Characteristic Code**	O	ID	2/3
			Code identifying the general class of a product or process characteristic			
	PID03	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			AS	Assigned by Seller		
	PID04	751	**Product Description Code**	X	AN	1/12
			A code from an industry code list which provides specific data about a product characteristic			
	PID05	352	**Description**	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Not Used **PID06**   **752**   **Surface/Layer/Position Code**   **O**   **ID**   **2/2**

Code indicating the product surface, layer or position that is being
described

Not Used **PID07**   **822**   **Source Subqualifier**   **O**   **AN**   **1/15**

A reference that indicates the table or text maintained by the Source
Qualifier

Not Used **PID08**   **1073**   **Yes/No Condition or Response Code**   **O**   **ID**   **1/1**

Code indicating a Yes or No condition or response

Segment:	# CUR Currency
Position:	420
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4 If CUR11 is present, then CUR10 is required.
	5 If CUR12 is present, then CUR10 is required.
	6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7 If CUR14 is present, then CUR13 is required.
	8 If CUR15 is present, then CUR13 is required.
	9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10 If CUR17 is present, then CUR16 is required.
	11 If CUR18 is present, then CUR16 is required.
	12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13 If CUR20 is present, then CUR19 is required.
	14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	CUR01	98	**Entity Identifier Code**	M	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual			
			PR Payer			
Must Use	CUR02	100	**Currency Code**	M	ID	3/3
			Code (Standard ISO) for country in whose currency the charges are specified			
			For additional values, request ISO document 4217.			
			CAD Canadian Dollars			
			USD United States Dollars			
	CUR03	280	**Exchange Rate**	O	R	4/6
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another			
	CUR04	98	**Entity Identifier Code**	O	ID	2/2
			Code identifying an organizational entity, a physical location, or an			

individual

PE	Payee
PM	Party to receive paper Memo of Invoice
RI	Remit To
SE	Selling Party
SJ	Service Provider

Identifies name and address information as pertaining to a service provider for which billing is being rendered

CUR05 100 **Currency Code** O ID 3/3

Code (Standard ISO) for country in whose currency the charges are specified

CAD	*Canadian Dollars*
USD	*United States Dollars*

CUR06 669 **Currency Market/Exchange Code** O ID 3/3

Code identifying the market upon which the currency exchange rate is based

IMF	International Monetary Fund
LNF	London (England) Exchange - First Closing
LNS	London (England) Exchange - Second Closing
NYC	New York Foreign Exchange
PHI	Philadelphia Foreign Exchange
ZUR	Zurich (Switzerland) Exchange

CUR07 374 **Date/Time Qualifier** X ID 3/3

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change

Date on which the change went into effect

153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End

CUR08 373 **Date** O DT 6/6

Date (YYMMDD)

	CUR09	337	**Time**	**O**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	**CUR10**	**374**	**Date/Time Qualifier**	**X**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

Not Used	**CUR11**	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

Not Used	**CUR12**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	**CUR13**	**374**	**Date/Time Qualifier**	**X**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

Not Used	**CUR14**	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

Not Used	**CUR15**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	**CUR16**	**374**	**Date/Time Qualifier**	**X**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

Not Used	**CUR17**	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

Not Used	**CUR18**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	**CUR19**	**374**	**Date/Time Qualifier**	**X**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

Not Used	**CUR20**	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

Not Used	**CUR21**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes

(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment:	**INC** Installment Information
Position:	430
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify installment billing arrangement
Syntax Notes:	
Semantic Notes:	1 INC02 is the installment period (e.g., months).
	2 INC03 is the total number of installments.
	3 INC04 is the number of the current installment.
	4 INC05 is the installment balance after the current installment is applied.
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the INC segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	INC01	336	**Terms Type Code**	M	ID	2/2
			Code identifying type of payment terms			
			04 Deferred or Installment			
Must Use	INC02	355	**Unit or Basis for Measurement Code**	M	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			MO Months			
Must Use	INC03	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
			Indicates the total number of installments.			
Must Use	INC04	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
			Indicates number of current installments.			
	INC05	782	**Monetary Amount**	O	R	1/15
			Monetary amount			
			Balance remaining after this installment is billed.			

Segment:	**ITA** Allowance, Charge or Service	
Position:	440	
Loop:	SLN	
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify allowances, charges, or services	

Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
	2	If ITA08 is present, then ITA09 is required.
	3	If either ITA10 or ITA11 is present, then the other is required.
	4	If ITA15 is present, then ITA02 is required.
Semantic Notes:	1	ITA09 is the allowance or charge percent.
	2	ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
	3	ITA12 is the quantity of free goods.
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	4	ITA13 is used to clarify the allowance, charge, or service.
	5	ITA15 specifies the individual code list of the agency specified in ITA02.
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:		***When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "8".***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1
			Code which indicates an allowance or charge for the service specified			
			A　　　　　　Allowance			
			C　　　　　　Charge			
			N　　　　　　No Allowance or Charge			
	ITA02	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			TI　　　　　　Telecommunications Industry			
	ITA03	560	**Special Services Code**	X	ID	2/10
			Code identifying the special service			
			See TCIF Section 10.4 for valid values.			
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2
			Code indicating method of handling for an allowance or charge			
			04　　　　　　Credit Customer Account			
			06　　　　　　Charge to be Paid by Customer			

		ZZ	Mutually Defined			
ITA05	341	**Allowance or Charge Number**	O	AN	1/16

The number assigned by a vendor referencing an allowance, promotion, deal or charge

| **ITA06** | 359 | **Allowance or Charge Rate** | O | R | 1/9 |

Allowance or Charge Rate per Unit

| **ITA07** | 360 | **Allowance or Charge Total Amount** | O | N2 | 1/9 |

Total dollar amount for the allowance or charge

| **ITA08** | 378 | **Allowance/ Charge Percent Qualifier** | O | ID | 1/1 |

Code indicating on what basis allowance or charge percent is calculated

> 9   Late Payment Charge Base Amount
>
> Amount outstanding after the past due date, and subject to a late payment charge

| **ITA09** | 332 | **Percent** | X | R | 1/6 |

Percent expressed as a percent

| **ITA10** | 380 | **Quantity** | X | R | 1/15 |

Numeric value of quantity

| **ITA11** | 355 | **Unit or Basis for Measurement Code** | X | ID | 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to code list provided in the ITA segment in Table 2 position 180.

| Not Used | **ITA12** | 380 | **Quantity** | O | R | 1/15 |

Numeric value of quantity

| **ITA13** | 352 | **Description** | X | AN | 1/80 |

A free-form description to clarify the related data elements and their content

| **ITA14** | 150 | **Special Charge or Allowance Code** | X | ID | 3/3 |

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

| Not Used | **ITA15** | 822 | **Source Subqualifier** | O | AN | 1/15 |

A reference that indicates the table or text maintained by the Source Qualifier

| **ITA16** | 662 | **Relationship Code** | O | ID | 1/1 |

Code indicating the relationship between entities

> A   Add
>
> D   Delete
>
> I   Included
>
> O   Information Only
>
> Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**TXI** Tax Information	
Position:	450	
Loop:	SLN	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:	*When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "8".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	TXI01	963	**Tax Type Code**	M	ID	2/2

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes		
	TXI02	782	**Monetary Amount**	X	R	1/15

Monetary amount

TXI03	**954**	**Percent**	X	R	1/10

Percentage expressed as a decimal

Tax rate for this jurisdiction.

TXI04	**955**	**Tax Jurisdiction Code Qualifier**	X	ID	2/2

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05	**956**	**Tax Jurisdiction Code**	X	AN	1/10

Code identifying the taxing jurisdiction

TXI06	**441**	**Tax Exempt Code**	X	ID	1/1

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)

TXI07	**662**	**Relationship Code**	O	ID	1/1

Code indicating the relationship between entities

A	Add
D	Delete
O	Information Only

    Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

TXI08	**828**	**Dollar Basis For Percent**	O	R	1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

TXI09	**325**	**Tax Identification Number**	O	AN	1/20

Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Not Used	**TXI10**	**350**	**Assigned Identification**	O	AN	1/11

Alphanumeric characters assigned for differentiation within a transaction set

Segment:	**REF** Reference Numbers
Position:	460
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	REF01	128	**Reference Number Qualifier**	M	ID	2/2
			Code qualifying the Reference Number.			
			Refer to code list provided in the REF segment in Table 2 position 50.			
	REF02	127	**Reference Number**	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
	REF03	352	**Description**	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Segment:	**PER** Administrative Communications Contact
Position:	470
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	3
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER01	366	**Contact Function Code**	M	ID	2/2

Code identifying the major duty or responsibility of the person or group named

AD	Accounting Department	
BD	Buyer Name or Department	
BI	Bill Inquiry Contact	
	Service Provider contact for making inquires about information on the invoice	
CC	Computer Systems Contact	
DA	Directory Advertising Contact	
	Service Provider contact for questions about, and changes to, directory advertising	
IC	Information Contact	
MA	Maintenance Contact	
	Service Provider contact for requesting service maintainance, or reporting problems	
OC	Order Contact	
OD	Order Department	
PM	Product Manager	
QA	Quality Assurance Contact	
SR	Sales Representative or Department	
TR	Technical Marketing Representative	

	Ref. Des.	Data Element	Name		Attributes	
	PER02	93	**Name**	O	AN	1/35

Free-form name

	PER03	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

		AU	Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

		EM	Electronic Mail
		FX	Facsimile
		TE	Telephone

	PER04	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

	PER05	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

		AU	Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

		EM	Electronic Mail
		FX	Facsimile
		TE	Telephone

	PER06	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

	PER07	365	**Communication Number Qualifier**	X	ID	2/2

Code identifying the type of communication number

See PER05 for code values.

	PER08	364	**Communication Number**	X	AN	1/80

Complete communications number including country or area code when applicable

Not Used	PER09	443	**Contact Inquiry Reference**	O	AN	1/20

Additional reference number or description to clarify a contact number

Segment:	**DTM** Date/Time Reference
Position:	480
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
050	Received
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End
201	Acceptance

	Ref. Des.	Data Element	Name		Attributes	
	DTM02	373	**Date**	X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name		Attributes	
Not Used	DTM03	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths

(00-99)

Not Used **DTM04** **623** **Time Code** O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

DTM05 **624** **Century** O N0 2/2

The first two characters in the designation of the year (CCYY)

Not Used **DTM06** **1250** **Date Time Period Format Qualifier** X ID 2/3

Code indicating the date format, time format, or date and time format

Not Used **DTM07** **1251** **Date Time Period** X AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	AMT **Monetary Amount**	
Position:	490	
Loop:	SLN	
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To indicate the total monetary amount	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the AMT segment is optional when HL03 is "8".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AMT01	522	**Amount Qualifier Code**	M ID 1/2

Code to qualify amount

1	Line Item Total	
5	Total Invoice Amount	
6	Amount Subject to Total Monetary Discount	
8	Total Monetary Discount Amount	
AD	Adjusted Total	
AP	Amount Prior to Fractionalization	

Full charge amount for the service per service period, prior to pro-rated fractionalization due to partial period billing

AQ	Average Price Per Call	

The total amount of money associated with a category of calls divided by the total number of calls within the category calculated to provide call summary details

AS	Average Price Per Minute	

The total amount of money associated with a category of calls divided by the total number of minutes within the category calculated to provide call summary details

AX	Previous Price	
BT	Bank Reject Total	
CH	Change Amount	
CS	Commission Sales	

Those sales used to calculate commission payments

CT	Contract	

Indicates the value stated in the contract

	KO	Committed Amount
	LI	Line Item Unit Price
	N	Net

Indicates the value remaining after all deductions and adjustments have been made

	NA	Net Adjustment
	NO	Non Commission Sales

Those sales not included for commission payment calculation

	NS	Net Savings Amount

Amount of dollar saving resulting from the use of service, such as Optional Calling Plans

	PB	Billed Amount

Total amount due on the period bill

	SC	Total Service Charge
	TP	Total payment amount
	TS	Total Sales

The total of commission and non commission sales needed to calculate intersell amount

	TT	Total Transaction Amount

Must Use	AMT02	782	**Monetary Amount**	M	R	1/15

Monetary amount

Not Used	AMT03	478	**Credit/Debit Flag Code**	O	ID	1/1

Code indicating whether amount is a credit or debit

Segment:	**MSG** Message Text
Position:	500
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To provide a free form format that would allow the transmission of text information.
Syntax Notes:	
Semantic Notes:	
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes:	*When submitting the 811 to any federal agency, use of the MSG segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	MSG01	933	**Free-Form Message Text**	M	AN	1/264
			Free-form message text			
Not Used	MSG02	934	**Printer Carriage Control Code**	O	ID	2/2
			A field to be used for the control of the line feed of the receiving printer			

Segment:	**QTY** Quantity
Position:	510
Loop:	QTY
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2
			Code specifying the type of quantity			
			Refer to code list provided in the QTY segment in Table 2 position 90.			
Must Use	QTY02	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
	QTY03	355	**Unit or Basis for Measurement Code**	O	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to code list provided in the QTY segment in Table 2 position 90.			

Segment:	**SI** **Service Characteristic Identification**		
Position:	520		
Loop:	QTY		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify service characteristic data		
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.	
	2	If either SI06 or SI07 is present, then the other is required.	
	3	If either SI08 or SI09 is present, then the other is required.	
	4	If either SI10 or SI11 is present, then the other is required.	
	5	If either SI12 or SI13 is present, then the other is required.	
	6	If either SI14 or SI15 is present, then the other is required.	
	7	If either SI16 or SI17 is present, then the other is required.	
	8	If either SI18 or SI19 is present, then the other is required.	
	9	If either SI20 or SI21 is present, then the other is required.	
Semantic Notes:			
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.	
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".*		
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

Segment:	**NM1** Individual or Organizational Name	
Position:	530	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To supply the full name of an individual or organizational entity	
Syntax Notes:	1	If either NM108 or NM109 is present, then the other is required.
Semantic Notes:	1	NM102 qualifies NM103.
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
Must Use NM101	**98**	**Entity Identifier Code**	**M**	**ID**	**2/2**

Code identifying an organizational entity, a physical location, or an individual

AG	Agent/Agency	
AK	Party to Whom Acknowledgment Should Be Sent	
AO	Account Of	
BS	Bill and Ship To	
C3	Circuit Location Identifier	
	Identifies the address information as that which is assigned to a circuit location address	
CA	Carrier	
CT	Country of Origin	
EN	End User	
GP	Gateway Provider	
	Identifies a gateway access provider	
IA	Installed At	
P9	Primary Interexchange Carrier (PIC)	
	Identifies the carrier who will handle the interexchange calls	
PE	Payee	
PM	Party to receive paper Memo of Invoice	
PR	Payer	
RI	Remit To	
RL	Reporting Location	
SE	Selling Party	
SJ	Service Provider	
	Identifies name and address information as	

			pertaining to a service provider for which billing is being rendered			
Must Use	NM102	1065	**Entity Type Qualifier**	M	ID	1/1
			Code qualifying the type of entity			
			Only use code "2" in federal government invoices.			
			1 Person			
			2 Non-Person Entity			
	NM103	1035	**Name Last or Organization Name**	O	AN	1/35
			Individual last name or organizational name			
	NM104	1036	**Name First**	O	AN	1/25
			Individual first name			
	NM105	1037	**Name Middle**	O	AN	1/25
			Individual middle name or initial			
	NM106	1038	**Name Prefix**	O	AN	1/10
			Prefix to individual name			
	NM107	1039	**Name Suffix**	O	AN	1/10
			Suffix to individual name			
	NM108	66	**Identification Code Qualifier**	X	ID	1/2
			Code designating the system/method of code structure used for Identification Code (67)			

1   D-U-N-S Number, Dun & Bradstreet

9   D-U-N-S+4, D-U-N-S Number with Four Character Suffix

40   Electronic Mail User Code

           Identifies the Electronic Mail User locally defined and maintained between trading partners

41   Telecommunications Carrier Identification Code

           Identifies the Interexchange carrier for the charges being billed

42   Telecommunications Pseudo Carrier Identification Code

           A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers

91   Assigned by Seller or Seller's Agent

92   Assigned by Buyer or Buyer's Agent

ZY   Temporary Identification Number

           A temporary ID to be used until a permanent ID is processed

	NM109	67	**Identification Code**	X	AN	2/20
			Code identifying a party or other code			

Segment:	**N2** Additional Name Information
Position:	540
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify additional names or those longer than 35 characters in length
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**N201**	**93**	**Name**	**M**	**AN**	**1/35**
			Free-form name			
	N202	**93**	**Name**	**O**	**AN**	**1/35**
			Free-form name			

Segment:	**N3** **Address Information**
Position:	550
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N301	166	**Address Information** Address information	M	AN	1/35
	N302	166	**Address Information** Address information	O	AN	1/35

Segment:	**N4** Geographic Location
Position:	560
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the USA or Canada.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
N401	19	**City Name**	O	AN	2/30
		Free-form text for city name			
N402	156	**State or Province Code**	O	ID	2/2
		Code (Standard State/Province) as defined by appropriate government agency			
N403	116	**Postal Code**	O	ID	3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	26	**Country Code**	O	ID	2/3
		Code identifying the country			
N405	309	**Location Qualifier**	X	ID	1/2
		Code identifying type of location			

        AC   City and State
        CC   Country
        CI   City
        SP   State/Province

Ref. Des.	Data Element	Name	Attributes		
N406	310	**Location Identifier**	O	AN	1/30
		Code which identifies a specific location			

Segment:	**REF** Reference Numbers
Position:	570
Loop:	NM1
Level:	Detail
Usage:	Optional
Max Use:	8
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	REF01	128	**Reference Number Qualifier**	M	ID	2/2
			Code qualifying the Reference Number.			
			Refer to code list provided in the REF segment in Table 2 position 50.			
	REF02	127	**Reference Number**	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
	REF03	352	**Description**	X	AN	1/80
			A free-form description to clarify the related data elements and their content			

Segment:	**PER** Administrative Communications Contact	
Position:	580	
Loop:	NM1	
Level:	Detail	
Usage:	Optional	
Max Use:	3	
Purpose:	To identify a person or office to whom administrative communications should be directed	
Syntax Notes:	1	If either PER03 or PER04 is present, then the other is required.
	2	If either PER05 or PER06 is present, then the other is required.
	3	If either PER07 or PER08 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "8".*	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	PER01	366	**Contact Function Code**	M	ID	2/2

Code identifying the major duty or responsibility of the person or group named

AD	Accounting Department	
BD	Buyer Name or Department	
BI	Bill Inquiry Contact	
	Service Provider contact for making inquires about information on the invoice	
CC	Computer Systems Contact	
DA	Directory Advertising Contact	
	Service Provider contact for questions about, and changes to, directory advertising	
IC	Information Contact	
MA	Maintenance Contact	
	Service Provider contact for requesting service maintainance, or reporting problems	
OC	Order Contact	
OD	Order Department	
PM	Product Manager	
QA	Quality Assurance Contact	
SR	Sales Representative or Department	
TR	Technical Marketing Representative	

	Ref. Des.	Data Element	Name		Attributes	
	PER02	93	**Name**	O	AN	1/35

Free-form name

	PER03	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

AU	Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

EM	Electronic Mail
FX	Facsimile
TE	Telephone

	PER04	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

	PER05	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

AU	Defense Switched Network

Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

This code is to be used only within the federal government.

EM	Electronic Mail
FX	Facsimile
TE	Telephone

	PER06	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

	PER07	365	**Communication Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of communication number

See codes in PER05.

	PER08	364	**Communication Number**	**X**	**AN**	**1/80**

Complete communications number including country or area code when applicable

Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN**	**1/20**

Additional reference number or description to clarify a contact number

Segment:	**TCD** Itemized Call Detail	
Position:	590	
Loop:	TCD	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify detail information for itemized calls	
Syntax Notes:	1	If either TCD04 or TCD05 is present, then the other is required.
	2	If either TCD07 or TCD08 is present, then the other is required.
Semantic Notes:	1	TCD12 is an undiscounted amount.
	2	TCD13 is a net amount after the discount has been applied to the amount in TCD12.
	3	TCD14 is an undiscounted amount.
	4	TCD15 is a net amount after the discount has been applied to the amount in TCD14.
	5	TCD16 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TCD01 is the detail information.
	2	TCD02 is the date of the call.
	3	TCD03 is the connect time of the call.
	4	TCD04, TCD05, and TCD06 are the 'to' location of the call.
	5	TCD07, TCD08, and TCD09 are the 'from' location of the call.
	6	TCD10 and TCD11 are the total duration of the call. TCD10 is the time measured in minutes or minutes and tenths of minutes. TCD11 is time measured in seconds or seconds and tenths of seconds.

Notes: *1. The TCD loop may only appear at the line detail level.*

2. When submitting the 811 to any federal agency, use of a minimum of the TCD loop or USD loop or both is required when HL03 is "9".

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
TCD01	**350**	**Assigned Identification**	O	AN	1/11
		Alphanumeric characters assigned for differentiation within a transaction set			
TCD02	**373**	**Date**	O	DT	6/6
		Date (YYMMDD)			
TCD03	**337**	**Time**	O	TM	4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
		Connect time of call.			
TCD04	**309**	**Location Qualifier**	X	ID	1/2

Code identifying type of location

Code identifying the type of "TO" location provided in TCD05 and TCD06.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

TCD05	**310**	**Location Identifier**	**X**	**AN**	**1/30**

Code which identifies a specific location

TCD06	**156**	**State or Province Code**	**O**	**ID**	**2/2**

Code (Standard State/Province) as defined by appropriate government agency

TCD07	**309**	**Location Qualifier**	**X**	**ID**	**1/2**

Code identifying type of location

Code identifying the type of "FROM" location provided in TCD08 and TCD09.

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

TCD08	**310**	**Location Identifier**	**X**	**AN**	**1/30**

Code which identifies a specific location

TCD09	**156**	**State or Province Code**	**O**	**ID**	**2/2**

Code (Standard State/Province) as defined by appropriate government agency

TCD10	**739**	**Measurement Value**	**O**	**R**	**1/20**

The value of the measurement

Duration of call measured in minutes and tenths of minutes.

TCD11	**739**	**Measurement Value**	**O**	**R**	**1/20**

The value of the measurement

Duration of call measured in seconds and tenths of seconds.

TCD12	**782**	**Monetary Amount**	**O**	**R**	**1/15**

Monetary amount

Undiscounted amount.

TCD13	**782**	**Monetary Amount**	**O**	**R**	**1/15**

Monetary amount

Net amount after a discount has been applied to the amount in TCD12.

TCD14	**782**	**Monetary Amount**	**O**	**R**	**1/15**

Monetary amount

Undiscounted amount.

TCD15	**782**	**Monetary Amount**	**O**	**R**	**1/15**

Monetary amount

Net amount after a discount has been applied to the amount in TCD14.

TCD16	**662**	**Relationship Code**	**O**	**ID**	**1/1**

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only

    Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**SI** **Service Characteristic Identification**	
Position:	600	
Loop:	TCD	
Level:	Detail	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify service characteristic data	
Syntax Notes:	**1**	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	**1**	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".*	
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

		Identifying number for a product or service				
SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				
SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics				
SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service				

Segment:	**TXI** Tax Information	
Position:	610	
Loop:	TCD	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.
Notes:		*When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "9".*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
Must Use TXI01	963	**Tax Type Code**	**M**	**ID**	**2/2**

Code specifying the type of tax

Use any code. The listed codes are preferred.

CA City Tax
FD Federal Tax
FI Federal Income Tax Withholding
FT Federal Excise Tax
FR Franchise Tax
GR Gross Receipts Tax
LS State and Local Sales Tax
MP Municipal Tax
OT Occupation Tax
PS Service Tax
SA State or Provincial Fuel Tax
SC School Tax
SE Excise Tax
TD Handicap Deaf Tax
UL Business Tax
ZE 911 Tax

Refer to 003050 Data Element Dictionary for acceptable code values.

Ref. Des.	Data Element	Name		Attributes	
TXI02	782	**Monetary Amount**	**X**	**R**	**1/15**

Monetary amount

	TXI03	954	**Percent**	X	R	1/10
			Percentage expressed as a decimal			
			Tax rate for this jurisdiction.			
	TXI04	955	**Tax Jurisdiction Code Qualifier**	X	ID	2/2
			Code identifying the source of the data used in tax jurisdiction code			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	TXI05	956	**Tax Jurisdiction Code**	X	AN	1/10
			Code identifying the taxing jurisdiction			
	TXI06	441	**Tax Exempt Code**	X	ID	1/1
			Code identifying exemption status from sales and use tax			

> 1   Yes (Tax Exempt)
> 2   No (Not Tax Exempt)

	TXI07	662	**Relationship Code**	O	ID	1/1
			Code indicating the relationship between entities			

> A   Add
> D   Delete
> O   Information Only
>
>   Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

	TXI08	828	**Dollar Basis For Percent**	O	R	1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax			
	TXI09	325	**Tax Identification Number**	O	AN	1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
Not Used	TXI10	350	**Assigned Identification**	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			

Segment:	**ITA** Allowance, Charge or Service
Position:	615
Loop:	TCD
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify allowances, charges, or services

Syntax Notes:

1. If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2. If ITA08 is present, then ITA09 is required.
3. If either ITA10 or ITA11 is present, then the other is required.
4. If ITA15 is present, then ITA02 is required.

Semantic Notes:

1. ITA09 is the allowance or charge percent.
2. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3. ITA12 is the quantity of free goods.

Comments:

1. If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2. ITA02 identifies the source of the code value in ITA03 or ITA15.
3. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4. ITA13 is used to clarify the allowance, charge, or service.
5. ITA15 specifies the individual code list of the agency specified in ITA02.
6. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Notes: *When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
Must Use ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1

Code which indicates an allowance or charge for the service specified

A	Allowance	
C	Charge	
N	No Allowance or Charge	

Ref. Des.	Data Element	Name	Attributes		
ITA02	559	**Agency Qualifier Code**	X	ID	2/2

Code identifying the agency assigning the code values

TI	Telecommunications Industry

Ref. Des.	Data Element	Name	Attributes		
ITA03	560	**Special Services Code**	X	ID	2/10

Code identifying the special service

See TCIF Section 10.4 for valid values.

Ref. Des.	Data Element	Name	Attributes		
Must Use ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2

Code indicating method of handling for an allowance or charge

04	Credit Customer Account
06	Charge to be Paid by Customer

			ZZ	Mutually Defined			
	ITA05	341	**Allowance or Charge Number**		O	AN	1/16

The number assigned by a vendor referencing an allowance, promotion, deal or charge

Not Used	**ITA06**	359	**Allowance or Charge Rate**	O	R	1/9

Allowance or Charge Rate per Unit

	ITA07	360	**Allowance or Charge Total Amount**	O	N2	1/9

Total dollar amount for the allowance or charge

	ITA08	378	**Allowance/ Charge Percent Qualifier**	O	ID	1/1

Code indicating on what basis allowance or charge percent is calculated

> 9   Late Payment Charge Base Amount
>
> Amount outstanding after the past due date, and subject to a late payment charge

	ITA09	332	**Percent**	X	R	1/6

Percent expressed as a percent

	ITA10	380	**Quantity**	X	R	1/15

Numeric value of quantity

	ITA11	355	**Unit or Basis for Measurement Code**	X	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to code list provided in the ITA segment in Table 2 position 180.

Not Used	**ITA12**	380	**Quantity**	O	R	1/15

Numeric value of quantity

	ITA13	352	**Description**	X	AN	1/80

A free-form description to clarify the related data elements and their content

	ITA14	150	**Special Charge or Allowance Code**	X	ID	3/3

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

Not Used	**ITA15**	822	**Source Subqualifier**	O	AN	1/15

A reference that indicates the table or text maintained by the Source Qualifier

	ITA16	662	**Relationship Code**	O	ID	1/1

Code indicating the relationship between entities

> A   Add
>
> D   Delete
>
> I   Included
>
> O   Information Only
>
> Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**QTY** Quantity	
Position:	617	
Loop:	QTY	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify quantity information	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	Quantity Qualifier	M	ID	2/2
			Code specifying the type of quantity			
			Refer to code list provided in the QTY segment in Table 2 position 90.			
Must Use	QTY02	380	Quantity	M	R	1/15
			Numeric value of quantity			
	QTY03	355	Unit or Basis for Measurement Code	O	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to code list provided in the QTY segment in Table 2 position 90.			

Segment:	**SI** Service Characteristic Identification	
Position:	618	
Loop:	QTY	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify service characteristic data	
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".*	
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

Identifying number for a product or service

SI08	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI09	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI10	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI11	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI12	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI13	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI14	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI15	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI16	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI17	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI18	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI19	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

SI20	1000	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**

Code from an industry code list qualifying the type of service characteristics

SI21	234	**Product/Service ID**	**X**	**AN**	**1/40**

Identifying number for a product or service

Segment:	**USD** Usage-Sensitive Detail
Position:	620
Loop:	USD
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify usage-sensitive details which qualify for discounts or are subject to special rates
Syntax Notes:	1 Only one of USD03 or USD04 may be present.
	2 If USD03 is present, then at least one of USD06 USD07 or USD08 is required.
	3 If USD04 is present, then at least one of USD08 or USD09 is required.
	4 If either USD05 or USD06 is present, then the other is required.
	5 If USD07 is present, then both USD05 and USD06 are required.
	6 If USD10 is present, then at least one of USD11 or USD12 is required.
	7 If USD11 is present, then USD10 is required.
	8 If USD12 is present, then USD10 is required.
Semantic Notes:	1 USD01 is a code indicating the relationship of the price or amount to the associated segment.
	2 USD03 is the allowance or charge rate per unit.
	3 USD04 is the discount percentage.
	4 USD06 is the quantity of usage.
	5 USD07 is a quantity of usage different than the quantity in USD06. When USD07 is present, it is used in conjuction with USD06, and then the rate USD03 is applied.
	6 USD09 is the total amount of terms discount.
Comments:	1 If both USD03 and USD08 are present, USD08 takes precedence.
	2 If USD11 is present and USD12 is not present, then the range is open ended.
	3 If USD12 is present and USD11 is not present, then the minimum is zero.
Notes:	*1. The USD loop may only appear at the line detail level.*
	2. When submitting the 811 to any federal agency, use of a minimum of the USD loop or TCD loop or both is required when HL03 is "9".

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	USD01	662	**Relationship Code**	M	ID	1/1

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only

> Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

	Ref. Des.	Data Element	Name	Attributes		
	USD02	350	**Assigned Identification**	O	AN	1/11

Alphanumeric characters assigned for differentiation within a transaction set

USD03	**118**	**Rate**	**X**	**R**	**1/9**

Rate expressed in the standard monetary denomination for the currency specified

If both USD03 and USD08 are present, then USD08 takes precedence.

USD04	**954**	**Percent**	**X**	**R**	**1/10**

Percentage expressed as a decimal

Discount Percentage.

USD05	**355**	**Unit or Basis for Measurement Code**	**X**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	Number of bytes of data transmitted
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size

H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment

		T0	Telecommunications Lines in Service
			Snapshot sample of lines in service
		UB	Telecommunications Lines in Service - Average
			Average number of lines in service specific to equal access requirements
		UC	Telecommunications Ports
			Number of network access ports
		UD	Tenth Minutes
			Number of 6 second increments of usage
		UE	Tenth Hours
			Number of 6 minute increments of usage
		UF	Usage per Telecommunications Line - Average
		UN	Unit
		ZZ	Mutually Defined

USD06	**380**	**Quantity**	**X**	**R**	**1/15**

Numeric value of quantity

USD07	**380**	**Quantity**	**X**	**R**	**1/15**

Numeric value of quantity

USD08	**782**	**Monetary Amount**	**X**	**R**	**1/15**

Monetary amount

USD09	**610**	**Amount**	**X**	**N2**	**1/15**

Monetary amount

USD10	**355**	**Unit or Basis for Measurement Code**	**X**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

See USD05 for code list.

USD11	**740**	**Range Minimum**	**X**	**R**	**1/20**

The value specifying the minimum of the measurement range

If USD11 is present and USD12 is not present, then the range is open -ended.

USD12	**741**	**Range Maximum**	**X**	**R**	**1/20**

The value specifying the maximum of the measurement range

If USD12 is present and USD11 is not present, the minimum is zero.

Segment:	**SI** Service Characteristic Identification	
Position:	625	
Loop:	USD	
Level:	Detail	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify service characteristic data	
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "9".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI08	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service			

characteristics

SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			

Segment:	**ITA** **Allowance, Charge or Service**
Position:	630
Loop:	USD
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify allowances, charges, or services

Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
	2	If ITA08 is present, then ITA09 is required.
	3	If either ITA10 or ITA11 is present, then the other is required.
	4	If ITA15 is present, then ITA02 is required.
Semantic Notes:	1	ITA09 is the allowance or charge percent.
	2	ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
	3	ITA12 is the quantity of free goods.
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	4	ITA13 is used to clarify the allowance, charge, or service.
	5	ITA15 specifies the individual code list of the agency specified in ITA02.
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:		***When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1
			Code which indicates an allowance or charge for the service specified			
			A　　　　Allowance			
			C　　　　Charge			
			N　　　　No Allowance or Charge			
	ITA02	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			TI　　　　Telecommunications Industry			
	ITA03	560	**Special Services Code**	X	ID	2/10
			Code identifying the special service			
			See TCIF Section 10.4 for valid values.			
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2
			Code indicating method of handling for an allowance or charge			
			04　　　　Credit Customer Account			
			06　　　　Charge to be Paid by Customer			

			ZZ	Mutually Defined			
	ITA05	341	**Allowance or Charge Number**		O	AN	1/16

The number assigned by a vendor referencing an allowance, promotion, deal or charge

Not Used	**ITA06**	359	**Allowance or Charge Rate**	O	R	1/9

Allowance or Charge Rate per Unit

	ITA07	360	**Allowance or Charge Total Amount**	O	N2	1/9

Total dollar amount for the allowance or charge

	ITA08	378	**Allowance/ Charge Percent Qualifier**	O	ID	1/1

Code indicating on what basis allowance or charge percent is calculated

      9   Late Payment Charge Base Amount

        Amount outstanding after the past due date, and subject to a late payment charge

	ITA09	332	**Percent**	X	R	1/6

Percent expressed as a percent

	ITA10	380	**Quantity**	X	R	1/15

Numeric value of quantity

	ITA11	355	**Unit or Basis for Measurement Code**	X	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to code list provided in the ITA segment in Table 2 Position 180.

Not Used	**ITA12**	380	**Quantity**	O	R	1/15

Numeric value of quantity

	ITA13	352	**Description**	X	AN	1/80

A free-form description to clarify the related data elements and their content

	ITA14	150	**Special Charge or Allowance Code**	O	ID	3/3

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

Not Used	**ITA15**	822	**Source Subqualifier**	O	AN	1/15

A reference that indicates the table or text maintained by the Source Qualifier

	ITA16	662	**Relationship Code**	O	ID	1/1

Code indicating the relationship between entities

      A   Add

      D   Delete

      I   Included

      O   Information Only

        Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**TRF** Rating Factors
Position:	640
Loop:	USD
Level:	Detail
Usage:	Optional
Max Use:	18
Purpose:	To specify rating information used to calculate usage-sensitive charges
Syntax Notes:	
Semantic Notes:	
Comments:	**1** TRF01 defines the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.
	2 TRF02 and TRF03 define equivalent units per standard unit.
	3 TRF04 and TRF05 define the standard unit.
Notes:	*When submitting the 811 to any federal agency, use of the TRF segment is optional when HL03 is "9".*

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
Must Use TRF01	673	**Quantity Qualifier**	M ID	2/2

Code specifying the type of quantity

Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
90	Acknowledged Quantity
	Network Recognition for message receipt
91	Additional Usage Quantity
	The amount of usage incurred above the alloted or allowable use for a service
92	Allotted Usage Quantity
	The amount of allowable usage related to a service
93	Attendant-Handled Quantity
	Manual Recognition for message receipt
94	Billable Quantity
	Number of billable units used
95	Data Storage Quantity
	Number of storage units used
96	Non-Billable Quantity
	Number of non-billable units

	97	Non-Urgent Delivery Quantity
		Number of units delivered in non-urgent status
	98	Overflow Quantity
		Number of overflow messages, (Busy condition count for 800 service)
	99	Quantity Used
		Quantity of units used
	AA	Unacknowledged Quantity
		Message received without network, or attendant recognition
	AB	Urgent Delivery Quantity
		Number of units delivered in urgent status
	AC	Voice Storage Quantity
		Number of voice storage units used
	AD	Maintenance Units
		Number of units of maintenance provided
	AE	Minimum Average Time Requirement (MATR) Units
		Number of units calculated at a minimum usage rating basis, such as X minutes per message
	AF	Wide Area Telephone Service (WATS)/800 Service Units
		Number of units of usage, for WATS or 800 service
	AG	Number of End Users
		Number of participating users
	AH	Number of Message Recipients
		Number of recipients
	AI	Number of Operator Credits
		Number of operator credits given
	AJ	Daily Adjustments
	NS	Number of Stations
		Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example

Must Use TRF02   355   Unit or Basis for Measurement Code   M   ID   2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Equivalent units per standard unit.

	03	Seconds
	12	Packet
	1X	Quarter Mile
	AD	Bytes
		Number of bytes of data transmitted

AH	Additional Minutes	
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service	
AL	Access Lines	
	Number of lines subject to Carrier Access Line Charges	
C0	Calls	
	Number of calls handled	
DA	Days	
DC	Disk (Disc)	
DH	Miles	
DK	Kilometers	
DQ	Data Records	
	Number of Data Records handled	
DY	Directory Books	
	Number of directory books delivered to customer	
EA	Each	
EB	Electronic Mail Boxes	
	Number of Electronic Mail Boxes established for an account	
EV	Envelope	
G7	Microfiche Sheet	
	A film that contains photographed documents greatly reduced in size	
H1	Half Pages - Electronic	
	Number of electronic half pages of data delivered	
HR	Hours	
HT	Half Hour	
KB	Kilocharacters	
	Kilocharacters of data transmitted	
KF	Kilopackets	
	Kilopackets of data transmitted	
KJ	Kilosegments	
	Kilosegments of data transmitted	
M0	Magnetic Tapes	
	Number of Magnetic Tapes delivered with data	
M4	Monetary Value	
MJ	Minutes	
MO	Months	
MR	Meter	
NF	Messages	

		Number of Messages transmitted, or delivered	
	NH	Message Hours	
		Number of hours used, calculated at some rate basis such as Minutes/message carried	
	NJ	Number of Screens	
		Number of data screens handled, or transmitted	
	OT	Overtime Hours	
	P0	Pages - Electronic	
		Number of electronic pages of data delivered	
	P1	Percent	
	QA	Pages - Facsimile	
		Number of FAX pages transmitted	
	QB	Pages - Hardcopy	
		Number of printed pages delivered	
	QH	Quarter Hours	
		Number of 15 minute increments of usage handled	
	RS	Resets	
		Number of times a transmission is reset due to line drop, interrupt, etc.	
	S6	Sessions	
		Number of interactive sessions handled	
	S7	Storage Units	
		Number of storage increments used	
	SG	Segment	
	T0	Telecommunications Lines in Service	
		Snapshot sample of lines in service	
	UB	Telecommunications Lines in Service - Average	
		Average number of lines in service specific to equal access requirements	
	UC	Telecommunications Ports	
		Number of network access ports	
	UD	Tenth Minutes	
		Number of 6 second increments of usage	
	UE	Tenth Hours	
		Number of 6 minute increments of usage	
	UF	Usage per Telecommunications Line - Average	
	UN	Unit	
	ZZ	Mutually Defined	

Must Use	TRF03	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
			Standard unit.			

Must Use	**TRF04**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Equivalent units per standard unit.

See TRF02 for code list.

Must Use	**TRF05**	**380**	**Quantity**	**M**	**R**	**1/15**

Numeric value of quantity

Standard unit.

Segment:	**QTY** Quantity	
Position:	650	
Loop:	QTY	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify quantity information	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	QTY01	673	**Quantity Qualifier**	M	ID	2/2
			Code specifying the type of quantity			
			Refer to code list provided in the QTY segment in Table 2 position 90.			
Must Use	QTY02	380	**Quantity**	M	R	1/15
			Numeric value of quantity			
	QTY03	355	**Unit or Basis for Measurement Code**	O	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to code list provided in the QTY segment in Table 2 position 90.			

Segment:	**SI** **Service Characteristic Identification**	
Position:	660	
Loop:	QTY	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify service characteristic data	
Syntax Notes:	1	If either SI04 or SI05 is present, then the other is required.
	2	If either SI06 or SI07 is present, then the other is required.
	3	If either SI08 or SI09 is present, then the other is required.
	4	If either SI10 or SI11 is present, then the other is required.
	5	If either SI12 or SI13 is present, then the other is required.
	6	If either SI14 or SI15 is present, then the other is required.
	7	If either SI16 or SI17 is present, then the other is required.
	8	If either SI18 or SI19 is present, then the other is required.
	9	If either SI20 or SI21 is present, then the other is required.
Semantic Notes:		
Comments:	1	SI01 defines the source for each of the service characteristics qualifiers.
Notes:	*1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".*	
	2. See TCIF section 10.4 for valid values when using data element 1000/234 pairs.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SI01	559	**Agency Qualifier Code**	M	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
Must Use	SI03	234	**Product/Service ID**	M	AN	1/40
			Identifying number for a product or service			
	SI04	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI05	234	**Product/Service ID**	X	AN	1/40
			Identifying number for a product or service			
	SI06	1000	**Service Characteristics Qualifier**	X	ID	2/2
			Code from an industry code list qualifying the type of service characteristics			
	SI07	234	**Product/Service ID**	X	AN	1/40

			Identifying number for a product or service			
SI08	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI09	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI10	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI11	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI13	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**ID**	**2/2**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN**	**1/40**
		Identifying number for a product or service			

Segment:	**TDS** Total Monetary Value Summary
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To specify the total invoice discounts and amounts
Syntax Notes:	
Semantic Notes:	**1** TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
	2 TDS02 indicates the amount upon which the terms discount amount is calculated.
	3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
	4 TDS04 indicates the total amount of terms discount.
Comments:	**1** TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	TDS01	610	**Amount**	M	N2	1/15
			Monetary amount			

The TDS segment (TDS01) contains the segment billed amount derived from the detail for the invoice. It does not contain any billed amounts found in the summary level.

	Ref. Des.	Data Element	Name	Attributes		
Not Used	TDS02	610	**Amount**	O	N2	1/15
			Monetary amount			
Not Used	TDS03	610	**Amount**	O	N2	1/15
			Monetary amount			
Not Used	TDS04	610	**Amount**	O	N2	1/15
			Monetary amount			

Segment:	**ITA** Allowance, Charge or Service
Position:	020
Loop:	ITA
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To specify allowances, charges, or services

Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
	2	If ITA08 is present, then ITA09 is required.
	3	If either ITA10 or ITA11 is present, then the other is required.
	4	If ITA15 is present, then ITA02 is required.
Semantic Notes:	1	ITA09 is the allowance or charge percent.
	2	ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
	3	ITA12 is the quantity of free goods.
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	4	ITA13 is used to clarify the allowance, charge, or service.
	5	ITA15 specifies the individual code list of the agency specified in ITA02.
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

	Ref. Des.	Data Element	Name	Attributes		
	ITA02	559	**Agency Qualifier Code**	X	ID	2/2

Code identifying the agency assigning the code values

TI	Telecommunications Industry

	Ref. Des.	Data Element	Name	Attributes		
	ITA03	560	**Special Services Code**	X	ID	2/10

Code identifying the special service

See TCIF Section 10.4 for valid values.

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2

Code indicating method of handling for an allowance or charge

03	Vendor Check to Customer
04	Credit Customer Account
06	Charge to be Paid by Customer

			ZZ	Mutually Defined			
	ITA05	**341**	**Allowance or Charge Number**	**O**	**AN**	**1/16**

The number assigned by a vendor referencing an allowance, promotion, deal or charge

Not Used	**ITA06**	**359**	**Allowance or Charge Rate**	**O**	**R**	**1/9**

Allowance or Charge Rate per Unit

	ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2**	**1/9**

Total dollar amount for the allowance or charge

	ITA08	**378**	**Allowance/ Charge Percent Qualifier**	**O**	**ID**	**1/1**

Code indicating on what basis allowance or charge percent is calculated

> 9   Late Payment Charge Base Amount
>
> Amount outstanding after the past due date, and subject to a late payment charge

	ITA09	**332**	**Percent**	**X**	**R**	**1/6**

Percent expressed as a percent

	ITA10	**380**	**Quantity**	**X**	**R**	**1/15**

Numeric value of quantity

	ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID**	**2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to code list provided in the ITA segment in Table 2 position 180.

Not Used	**ITA12**	**380**	**Quantity**	**O**	**R**	**1/15**

Numeric value of quantity

	ITA13	**352**	**Description**	**X**	**AN**	**1/80**

A free-form description to clarify the related data elements and their content

	ITA14	**150**	**Special Charge or Allowance Code**	**O**	**ID**	**3/3**

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

Not Used	**ITA15**	**822**	**Source Subqualifier**	**O**	**AN**	**1/15**

A reference that indicates the table or text maintained by the Source Qualifier

	ITA16	**662**	**Relationship Code**	**O**	**ID**	**1/1**

Code indicating the relationship between entities

> A   Add
>
> D   Delete
>
> O   Information Only
>
> Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment:	**DTM** Date/Time Reference	
Position:	030	
Loop:	ITA	
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	**1**	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID**	**3/3**

Code specifying type of date or time, or both date and time

007	Effective
009	Process
050	Received

	Ref. Des.	Data Element	Name	Attributes		
	DTM02	**373**	**Date**	**X**	**DT**	**6/6**

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	**DTM03**	**337**	**Time**	**X**	**TM**	**4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	**DTM04**	**623**	**Time Code**	**O**	**ID**	**2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name	Attributes		
	DTM05	**624**	**Century**	**O**	**N0**	**2/2**

The first two characters in the designation of the year (CCYY)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	**DTM06**	**1250**	**Date Time Period Format Qualifier**	**X**	**ID**	**2/3**

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name	Attributes		
Not Used	**DTM07**	**1251**	**Date Time Period**	**X**	**AN**	**1/35**

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**BAL** Balance Detail	
Position:	040	
Loop:	BAL	
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify the specific monetary balances associated with a particular account	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BAL01	951	**Balance Type Code**		M	ID	1/2

Code indicating the type of balance

A	Adjustment
M	Current Month
P	Previous Month

Balance of previous period charges prior to applying payments and adjustments for the previous period billing

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BAL02	522	**Amount Qualifier Code**		M	ID	1/2

Code to qualify amount

5	Total Invoice Amount
8	Total Monetary Discount Amount
BT	Bank Reject Total
C4	Prior Payment - Actual

Amount paid in reality at an earilier time

NA	Net Adjustment
NS	Net Savings Amount

Amount of dollar saving resulting from the use of service, such as Optional Calling Plans

PB	Billed Amount

Total amount due on the period bill

SC	Total Service Charge
TP	Total payment amount
TT	Total Transaction Amount

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BAL03	782	**Monetary Amount**		M	R	1/15

Monetary amount

Segment:	**DTM** Date/Time Reference	
Position:	050	
Loop:	BAL	
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	**1**	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	**DTM01**	**374**	**Date/Time Qualifier**		M	ID	3/3

Code specifying type of date or time, or both date and time

007	Effective
009	Process
050	Received

	Ref. Des.	Data Element	Name		Attributes		
	DTM02	**373**	**Date**		X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name		Attributes		
Not Used	**DTM03**	**337**	**Time**		X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name		Attributes		
Not Used	**DTM04**	**623**	**Time Code**		O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name		Attributes		
	DTM05	**624**	**Century**		O	N0	2/2

The first two characters in the designation of the year (CCYY)

	Ref. Des.	Data Element	Name		Attributes		
Not Used	**DTM06**	**1250**	**Date Time Period Format Qualifier**		X	ID	2/3

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name		Attributes		
Not Used	**DTM07**	**1251**	**Date Time Period**		X	AN	1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**N1** Name	
Position:	060	
Loop:	N1	
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	N101	98	**Entity Identifier Code**	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

    SJ   Service Provider

          Identifies name and address information as pertaining to a service provider for which billing is being rendered

	N102	93	**Name**	X	AN	1/35

Free-form name

	N103	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67)

    41   Telecommunications Carrier Identification Code

          Identifies the Interexchange carrier for the charges being billed

    42   Telecommunications Pseudo Carrier Identification Code

          A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers

    91   Assigned by Seller or Seller's Agent

	N104	67	**Identification Code**	X	AN	2/20

Code identifying a party or other code

Not Used	N105	706	**Entity Relationship Code**	O	ID	2/2

Code describing entity relationship

Not Used   N106   98   Entity Identifier Code   O   ID   2/2

Code identifying an organizational entity, a physical location, or an individual

Segment:	**BAL** **Balance Detail**
Position:	070
Loop:	BAL
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To identify the specific monetary balances associated with a particular account
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BAL01	951	**Balance Type Code**		M	ID	1/2

Code indicating the type of balance

A	Adjustment
M	Current Month
P	Previous Month

Balance of previous period charges prior to applying payments and adjustments for the previous period billing

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BAL02	522	**Amount Qualifier Code**		M	ID	1/2

Code to qualify amount

AD	Adjusted Total
C4	Prior Payment - Actual

Amount paid in reality at an earlier time

	Ref. Des.	Data Element	Name		Attributes		
Must Use	BAL03	782	**Monetary Amount**		M	R	1/15

Monetary amount

Segment:	**DTM** Date/Time Reference	
Position:	080	
Loop:	BAL	
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	**1**	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

003	Invoice
007	Effective
009	Process
050	Received

	Ref. Des.	Data Element	Name		Attributes	
	DTM02	373	**Date**	X	DT	6/6

Date (YYMMDD)

	DTM03	337	**Time**	X	TM	4/8
Not Used						

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	DTM04	623	**Time Code**	O	ID	2/2
Not Used						

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	DTM05	624	**Century**	O	N0	2/2

The first two characters in the designation of the year (CCYY)

	DTM06	1250	**Date Time Period Format Qualifier**	X	ID	2/3
Not Used						

Code indicating the date format, time format, or date and time format

	DTM07	1251	**Date Time Period**	X	AN	1/35
Not Used						

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**ITA** Allowance, Charge or Service	
Position:	090	
Loop:	ITA	
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify allowances, charges, or services	
Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
	2	If ITA08 is present, then ITA09 is required.
	3	If either ITA10 or ITA11 is present, then the other is required.
	4	If ITA15 is present, then ITA02 is required.
Semantic Notes:	1	ITA09 is the allowance or charge percent.
	2	ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
	3	ITA12 is the quantity of free goods.
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
	4	ITA13 is used to clarify the allowance, charge, or service.
	5	ITA15 specifies the individual code list of the agency specified in ITA02.
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	ITA01	248	**Allowance or Charge Indicator**	M	ID	1/1
			Code which indicates an allowance or charge for the service specified			
			A Allowance			
			C Charge			
			N No Allowance or Charge			
	ITA02	559	**Agency Qualifier Code**	X	ID	2/2
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
	ITA03	560	**Special Services Code**	X	ID	2/10
			Code identifying the special service			
			See TCIF Section 10.4 for valid values.			
Must Use	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID	2/2
			Code indicating method of handling for an allowance or charge			
			04 Credit Customer Account			
			06 Charge to be Paid by Customer			
			ZZ Mutually Defined			

	ITA05	341	**Allowance or Charge Number**	O	AN	1/16

The number assigned by a vendor referencing an allowance, promotion, deal or charge

	ITA06	359	**Allowance or Charge Rate**	O	R	1/9

Allowance or Charge Rate per Unit

	ITA07	360	**Allowance or Charge Total Amount**	O	N2	1/9

Total dollar amount for the allowance or charge

Not Used	**ITA08**	378	**Allowance/ Charge Percent Qualifier**	O	ID	1/1

Code indicating on what basis allowance or charge percent is calculated

	ITA09	332	**Percent**	X	R	1/6

Percent expressed as a percent

	ITA10	380	**Quantity**	X	R	1/15

Numeric value of quantity

	ITA11	355	**Unit or Basis for Measurement Code**	X	ID	2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Refer to code list provided in the ITA segment in Table 2 position 180.

Not Used	**ITA12**	380	**Quantity**	O	R	1/15

Numeric value of quantity

	ITA13	352	**Description**	X	AN	1/80

A free-form description to clarify the related data elements and their content

	ITA14	150	**Special Charge or Allowance Code**	X	ID	3/3

Code identifying type of special charge or allowance

See TCIF Section 10.4 for valid values.

Not Used	**ITA15**	822	**Source Subqualifier**	O	AN	1/15

A reference that indicates the table or text maintained by the Source Qualifier

	ITA16	662	**Relationship Code**	O	ID	1/1

Code indicating the relationship between entities

O   Information Only

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **DTM** Date/Time Reference
Position: 100
Loop: ITA
Level: Summary
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes: **1**   At least one of DTM02 DTM03 or DTM06 is required.
                2   If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Code specifying type of date or time, or both date and time

       007   Effective
       009   Process

	Ref. Des.	Data Element	Name	Attributes		
	DTM02	373	**Date**	X	DT	6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	DTM03	337	**Time**	X	TM	4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	DTM04	623	**Time Code**	O	ID	2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	Ref. Des.	Data Element	Name	Attributes		
	DTM05	624	**Century**	O	N0	2/2

The first two characters in the designation of the year (CCYY)

	Ref. Des.	Data Element	Name	Attributes		
Not Used	DTM06	1250	**Date Time Period Format Qualifier**	X	ID	2/3

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name	Attributes		
Not Used	DTM07	1251	**Date Time Period**	X	AN	1/35

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**CTT** Transaction Totals	
Position:	110	
Loop:		
Level:	Summary	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit a hash total for a specific element in the transaction set	
Syntax Notes:	**1**	If either CTT03 or CTT04 is present, then the other is required.
	2	If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:		
Comments:	**1**	This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes:	*The number of line items (CTT01) is the accumulation of the number of IT1 segments.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	CTT01	354	**Number of Line Items**	M	N0	1/6
			Total number of line items in the transaction set			
			Number of IT1 segments in this transaction set.			
	CTT02	347	**Hash Total**	O	R	1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.			
			Example:			
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.			
			If used, the specified field for the Telecommunications Industry is IT104.			
Not Used	CTT03	81	**Weight**	X	R	1/10
			Numeric value of weight			
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	X	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
Not Used	CTT05	183	**Volume**	X	R	1/8
			Value of volumetric measure			
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	X	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

Not Used   CTT07   352   Description   O   AN   1/80

A free-form description to clarify the related data elements and their content

Segment:	**SE** **Transaction Set Trailer**
Position:	120
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:	
Semantic Notes:	
Comments:	**1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
Must Use	SE01	96	**Number of Included Segments**	M	N0	1/10
			Total number of segments included in a transaction set including ST and SE segments			
Must Use	SE02	329	**Transaction Set Control Number**	M	AN	4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			